

Contractor: Institutul Național de Cercetare-Dezvoltare pentru Fizică și Inginerie Nucleară
 „Horia Hulubei” IFIN-HH
 Cod fiscal : R 3321234

RAPORT SINTETIC
 privind desfășurarea Programului Nucleu
 “Cercetari de fizica si inginerie nucleara in
 context european/NIFIN-3, PN 09 37”
 perioada 2009- 2012

Durata programului: 3,3 ani

Scopul programului:

- a) Dezvoltarea capacitatii de cercetare stiintifica in domeniul fizicii nucleare si al aplicatiilor tehnologice ale acesteia.
- b) Realizarea unor infrastructuri avansate capabile sa sustina activitatea de cercetare la nivelul cerintelor actuale, necesare participarii cu succes la programele nationale si europene.
- c) Furnizarea de servicii de specialitate agentilor economici si institutiilor de interes social.
- d) Indeplinirea obligatiilor asumate prin acorduri, intelegeri si contracte internationale, in sistemul Comunitatii Europene si bilaterale.
- e) Acreditarea si notificarea laboratoarelor de tehnici nucleare la nivelul cerintelor europene.
- f) Cresterea competitivitatii in cadrul Planului National de Cercetare, Dezvoltare si Inovare II.

Modul de derulare al programului:

Nr. obiective	Nr. proiecte propuse	Nr. proiecte finalizate	Buget program (lei) - contractat				
			2009	2010	2011	2012	Total
Obiectiv 1	6	6	18,523,119.00	19,445,222.00	23,879,073.00	10,297,806.00	72,145,220.00
Obiectiv 2	6	6	6,987,572.00	8,419,661.00	10,086,799.00	4,225,526.00	29,719,558.00
Obiectiv 3	2	2	5,197,909.00	5,729,558.00	6,484,745.00	2,716,568.00	20,128,780.00
Obiectiv 4	1	1	0.00	7,980,038.00	3,222,148.00	2,000,000.00	13,202,186.00
TOTAL	15	15	30,708,600.00	41,574,479.00	43,672,765.00	19,239,900.00	135,195,744.00

Cheltuieli:

	lei				
	2009	2010	2011	2012	Total
I. Cheltuieli directe	13,271,395.64	20,925,330.62	19,775,498.14	9,728,090.11	63,700,314.51
1. Cheltuieli de personal	12,838,308.34	15,748,643.23	16,629,736.11	8,334,177.36	53,550,865.04
2. Cheltuieli materiale și servicii	433,087.30	5,176,687.39	3,145,762.03	1,393,912.75	10,149,449.47
II. Cheltuieli Indirecte: Regia	13,807,178.38	12,043,203.74	13,912,946.36	6,938,658.51	46,701,986.99
III. Achizitii / Dotări independete din care:	3,583,986.66	8,573,310.94	9,625,796.50	2,573,151.38	24,356,245.48
1. pentru constructie/modernizare infrastructura	2,248,623.77	5,200,251.43	5,785,944.34	1,279,143.17	14,513,962.71
TOTAL (I+II+III)	30,662,560.68	41,541,845.30	43,314,241.00	19,239,900.00	134,758,546.98

Rezultatele Programului Nucleu derulat:

- ***Denumire proiect:***
- ***PN 09 37 01 01 "Cercetari avansate de fizica particulelor elementare"***

In cadrul proiectului PN 09 37 01 01 au fost derulate urmatoarele activitati de cercetare si au fost realizate urmatoarele obiective:

1. Studiul fenomenelor noi in interactii electron-proton la acceleratorul HERA.
2. Studiul cuarcilor excitati in ciocnirile ep la HERA.
3. Ansamblu experimental pentru testarea detectorilor de tip SIPM.
4. Implementare de generatori de evenimente pentru simularea interactiilor antiprotonilor pe protoni si nuclee in experimentul PANDA.
5. Producerea atomului exotic hadronic de tip heliu-kaonic și măsura de precizie a tranziției $3d \rightarrow 2p$.
6. Contributii la imbunatatirea setului de programe necesare functionarii sistemului de achizitie pentru experimentul ATLAS.
7. Studiul producerii barionilor beauty la colidere liniare in optiunea GigaZ (partea I).
8. Studiul producerii barionilor beauty la colidere liniare in optiunea Gigaz (partea a II-a).
9. Simulari Monte Carlo pentru evaluarea performantelor detectorului central de trase incarcate al instalatiei PANDA.
10. Studiul fenomenelor noi in interactii de contact la HERA.
11. Studiul proceselor radiative folosind generatori Monte Carlo de tip LO si NLO.
12. Utilizarea PandaGrid la simulari Monte Carlo pentru instalatia PANDA.

Activitatile au cuprins studii fenomenologice, simulari Monte Carlo, dezvoltare de metodica experimentală precum și analiza de date experimentale și s-au axat pe lucrul la mari instalatii experimentale europene (LHC/CERN, DESY, etc).

In concluzie, consideram ca prin activitatile desfasurate si rezultatele obtinute, s-a atins integral scopul proiectului si recomandam continuarea cercetarilor.

- ***PN 09 37 01 02 „Elaborarea de modele teoretice si metode matematice riguroase pentru investigarea structurii materiei.”***

In cadrul Proiectului au fost dezvoltate metode si modele teoretice pentru descrierea structurii materiei si au fost obtinute urmatoarele rezultate stiintifice principale:

- au fost obtinute solutii solitonice si a fost descrisa dezvoltarea instabilitatii modulationale in condensatul Bose-Einstein;
- au fost obtinute compactificari ale teoriei corzilor heterotice pe varietati sase-dimensionale cu structura $SU(2)$;
- au fost descrise efecte anarmonice in tranzitiile nucleare de tip beta si dublu beta;
- a fost descrisa dinamica entanglementului (corelatiilor cuantice) in sisteme cuantice deschise gaussiene;
- au fost descrise proprietatile vitroase ale sistemelor mesoscopice;
- au fost obtinute proprietatile de integrabilitate pentru sisteme dinamice cu simetrii ascunse;
- au fost descrise structura si proprietatile de dezintegrare alfa ale nucleelor supra-grele;
- a fost obtinut spectrul energetic si au fost descrise tranzitiile electromagnetice in nucleele Te-132 si W-188;
- a fost descrisa dinamica reactiilor nucleare si mecanismele de producer si dezintegrare a elementelor supra-grele;
- au fost obtinute asemenarile si deosebiriile dintre dezintegrarea alfa si emisia spontana de clusteri la nuclee supra-grele.

- ***PN 09 37 01 03 "Fizica starilor extreme ale materiei a proprietatilor si dinamicii acestora"***

S-au studiat efectele violarii simetriei de izospin asupra dezintegrării beta Fermi suprapermise a stării fundamentale a ^{82}Nb la ^{82}Zr . Rezultatele asupra ramurilor de dezintegrare beta analoage ca și ne-analoage au fost obtinute self-consistent in cadrul abordării complexe "Excited Vampir". S-au facut predictii conform carora dezintegrarea beta ^{82}Nb la ^{82}Zr catre primele stari excitate 0^+ cu tarie semnificativa coexista cu dezintegrarea suprapermisa. Structura si proprietatile electromagnetice ale starilor analoage si ne-analoage cu spini josi si inalti in ^{82}Nb si ^{82}Zr au fost comparate cu datele experimentale disponibile. S-a proiectat si realizat un prototip de detector de timp de zbor cu structura cu spatii multiple si granularitate ridicata, cu citire diferentia (semnalele se citesc atat de pe electrodul central (anod) cat si de pe electrozii exteriori (catozi)).

S-au efectuat activitati de calibrare a datelor experimentale obtinute in experimentul ISOSPIN si anume: timp de zbor și Ξ E-E, in scopul creării de DST-uri necesare analizei datelor experimentale.

Au fost elaborate, dezvoltate și implementate coduri de calcul pentru construirea observabilelor de interes și analiza acestora în vederea studierii fenomenului de "flow" în evenimente cu isotropie azimutală rezultate în ciocniri pp și de ioni grei la energii ultrarelativiste. Pana în prezent, aceste coduri au fost folosite la pregătirea unei prezentări a rezultatelor parțiale, la Physics Week, Paris, mai 2010. Obiectivul a fost realizat integral. In

continuare se vor dezvolta codurile existente si se vor elabora sau adapta alte coduri in vederea abordarii eficiente si competitive a tematicii de interes pentru grupul nostru, in cadrul colaborarii ALICE.

A. Analiza experimentală a raspunsului CHIP-ului FASP arata ca pentru $TC=40ns$, $DLY=120ns$, ceea ce corespunde unei rate de numarare de 8MHz repetitive sau 800Kimp/s aleator, acesta are o comportare care raspunde cerintelor de operare a prototipurilor de TRD dezvoltate de noi.

B. Studiul cuprinde rezultatele obtinute de noi privind structura si proprietatile dezintegrării beta Gamow-Teller a nucleelor ^{104}Zr si ^{106}Zr catre nucleele ^{104}Nb si respective ^{106}Nb . Studiul reprezinta prima tratare complet self-consistentă a dezintegrării beta Gamow-Teller a nucleelor ^{104}Zr si ^{106}Zr .

Dezvoltarea sistemului de monitorare a temperaturii fluxului de aer, consumului de curent electric, a stării instalatiei de climatizare, a tuturor echipamentelor din Centrul de date al grupului nostru si implementarea unor proceduri de actiune in cazul unor evenimente speciale a dus la obtinerea unei eficiente de utilizare a centrului de date NIHAM in ALICE GRID de peste 95% concretizandu-se intr-o contributie de 8 % la Alice GRID in 2011.

S-au realizat scheme de proiectare si executie, componente mecanice, prototip detector si teste cu surse radioactive. Utilizand programul GARFIELD au fost efectuate calcule de viteze de drift si timpi de drift.

S-a realizat studiul rezolutiei spatiale a prototipurilor TRD cu geometrie triunghiulara a pad-urilor electrozului de citire a semnalelor folosind fascicul de electroni si pioni de la acceleratorul -CERN

Au fost calculate perioadele de injumatatire, T_c , ale nucleelor supragrele fata de dezintegrarea alfa si emisia spontana de clusteri.

A. Desene si scheme de proiectare, solutii tehnologice pentru arhitectura finala a zonei interne a primei statii a subdetectorului TRD. Simulari GARFIELD si CADENCE pentru estimarea performantei raspunsului CHIP-ului FASP la ionizarile produse de particulele minim ionizante in detectorul TRD.

B. Identificarea de noi metode de realizare a straturilor subtiri tribologice si anticorozive si experimentari preliminare.

Studiul rezolutiei in pozitie a prototipului de detector de timp de zbor cu electrozi din sticla de inalta rezistivitate (RPC) si electrozi de citire a semnalelor de inalta granularitate. Proiectarea si realizarea unui prototip de detector RPC cu arhitectura optima din punct de vedere performanta/cost pentru aranjamentul experimental CBM de la FAIR.

Rezolutii de pozitie in directia transversala si respectiv longitudinală a stripurilor. Desene si schite de proiectare. Prezentare meeting CBM, prezentare workshop international RPC.

- **PN 09 37 01 04 „Dezvoltarea infrastructurii Grid si de calcul performant pentru fizica sistemelor complexe.”**

Rezultatele principale obtinute de DFCTI in cadrul proiectului PN09370104 sunt urmatoarele

- 1) Dezvoltarea si optimizarea infrastructurii de calcul si de comunicatii a IFIN-HH, cu asigurarea suportului hardware si software necesar pentru gestionarea proiectelor CDI derulate de institut;
- 2) Realizarea bazei tehnice pentru calculul grid si de inalta performanta, la nivelul prevazut in Memorandumul de Intelegere incheiat cu CERN privind resursele si serviciile destinate colaborarii WLCG si, respectiv, conform cerintelor proiectului FP7 *High-Performance Computing Infrastructure for South East Europe's Research Communities* (HP-SEE);
- 3) Realizarea de proceduri si instrumente software pentru cresterea productivitatii si scaderea costurilor in centrele grid de mari dimensiuni care suporta organizatii virtuale multiple, si implementarea acestora in cadrul RO-07-NIPNE;
- 4) Studiu privind fiabilitatea algoritmilor de calcul paralel in mediul grid, folosind bibliotecile MPI implementate pe platforma de calcul din DFCTI;
- 5) Realizarea unui sistem de management al performantei pentru centrul grid RO-07-NIPNE;
- 6) Determinarea structurii sistemelor macromoleculare complexe (>800.000 atomi) prin simulari numerice de dinamica moleculara, pentru modelarea receptorilor cuplati cu proteinele G;
- 7) Realizarea aplicatiei software ISyMAB - *Integrated System for Modeling and data Analysis of complex Biomolecules*, pentru analiza datelor obtinute in cadrul simulării si modelării sistemelor biomoleculare de mari dimensiuni prin intermediul codurilor paralele de dinamica moleculara, <http://wiki.hp-see.eu/index.php/ISyMAB> .
- 8) Studii ab-initio privind influenta defectelor punctuale asupra transportului de sarcina in nanostructuri (articol publicat);
- 9) Rezultate noi privind dinamica undelor Faraday si a undelor rezonante in condensati Bose-Einstein (3 articole publicate);
- 10) Studii privind interactiile neutrino-nucleu fix (^{40}Ar), la energii de ordinul GeV, si metode de reconstructie a energiei neutrino, folosind generatorul de evenimente GENIE (2 lucrari acceptate)

- **PN 09 37 01 05 „Cercetari de fizica atomica si nucleara utilizand acceleratorul Tandem si mari facilitati europene.”**

Proiectul derulat în cadrul Departamentului de Fizică Nucleară (DFN) a contribuit substanțial la obținerea unor rezultate științifice noi, la dezvoltarea infrastructurii de cercetare proprii axată pe exploatarea posibilităților oferite de acceleratorul Tandem operat de

DFN și îmbunătățirea performanțelor instrumentației experimentale, la întărirea participării la colaborările europene/internaționale și creșterea vizibilității contribuțiilor românești în cadrul acestor colaborări. Între rezultate noi obținute, a căror valoare este susținută de numeroase publicații în reviste cu factor de impact (și scor relativ de influență) mare, menționăm: 1) evidențierea unor proprietăți și fenomenologii noi în structura nucleelor de masă medie și mare $^{94,95}\text{Mo}$, ^{83}Rb , ^{67}As , ^{67}Se , ^{122}Ba , $^{188,192}\text{Pb}$, ^{187}Ir , $^{168,170}\text{Dy}$, ^{75}Cu , $^{127,128}\text{Sn}$, $^{103,105,107}\text{Cd}$, ^{118}Te , ^{170}Eu , precum și în cea a nuclee exotice ușoare $^{33,39,41}\text{Si}$, $^{40,41}\text{S}$, inclusiv observarea de noi izomeri și a noi moduri de dezintegrare, 2) aprofundarea mecanismelor și modelarea reacțiilor cu proiectile ușoare și multifragmentare la energii intermediare, 3) măsuratori ale proprietăților fluxului de raze cosmice incidente la suprafața pământului, 4) studiul fenomenelor de ionizare cu proiectile grele și ai atomilor exotici $\pi^+\pi^-$, 5) aplicare tehnicilor de analiza bazate pe fascicule accelerate în studiul probelor de mediu și al materialelor. Dezvoltarea sistemelor de detecție asociate experimentelor la acceleratorul Tandem a atins în domeniul spectroscopiei gamma un nivel comparabil cu cel existent în multe laboratoare din străinătate ceea ce a permis abordarea cu succes a unor studii noi și atragerea de mulți utilizatori străini. La nivelul colaborărilor europene și/sau internaționale, proiectul a permis pregătirea propunerilor de proiecte și derularea în bune condiții a participării în proiectele FP6/FP7 (FAIR, NuPNET, EURONS, ENSAR, EURISOL, SPIRAL2, CRISP, ASPERA, ASPERA2, DITANET, LA3NET) precum și a multor Acordurilor și MoU-uri pentru schimburi de personal (cu INFN-Italia, IN2P3-Franța) sau dezvoltarea infrastructurii de cercetare pentru experimente la marile facilități europene din domeniul fizicii nucleare.

- **PN 09 37 01 06 „Studiul fenomenelor fizice prin metode teoretice si computationale in domenii de frontiera”**

- dezvoltarea unui nou model de pentru calculul elementelor de matrice nucleare, relevante pentru dezintegrarea beta dubla, bazat pe coduri de tip “model in paturi”;
- obținerea unei aproximatii analitice pentru starea functionala a oscilatorului cuartec precum si fizica statistica a sistemelor Ginsburg-Landau cu parametru de ordine real si neliniaritati cuartice, folosind progresele inregistrate recent in algebra operatorilor bosonice;
- obținerea de valori mai precise ale emisivitatilor axionilor in procesele de bremsstrahlung nucleonic si noi limite ale masei si constantei de cuplaj ale axionului;
- descrierea mai precisa a ratelor de captura electronica in supernovae care pot fi folosite la dinamica procesului de explozie si deci o mai buna descriere a abundentei elementelor mai grele decat Ni. De asemenea, se vor obtine noi predictii ale timpului de viata pentru dubla captura de electroni a Zn, care pot fi adoptate de experimentul COBRA.
- Folosind rezultate care privesc clasificarea reprezentarilor degenerate si a identitatilor tensoriale, s-a facut o abordare complet noua pentru obtinerea unei descrieri generale complete a canalelor cuantice covariante in raport cu un grup de simetrie.. Numarul parametrilor fenomenologici s-a redus la redus la minim, ceea ce face posibila determinarea lor experimentală

- **PN 09 37 02 01 “Autentificarea patrimoniului cultural si datare prin termoluminescenta si luminescenta stimulata optic”**

Structurarea spatiului laboratorului de arheometrie al Centrului de Iradiere Tehnologice IRASM. Completarea infrastructurii existente cu echipamentele lipsa. Procedurarea metodologiei de autentificare a obiectelor de patrimoniu prin stabilirea protocoalelor de lucru. Implementarea metodologiei de autentificare a obiectelor de patrimoniu. Experimentarea metodologiei de autentificare a obiectelor de patrimoniu. Efectuarea analizelor aferente pe mostre din obiecte de patrimoniu (caramida, tigla si vase de provenienta, in general, din epoca romana). Compararea datelor si extinderea masuratorilor de autentificare la obiecte presupuse a fi din neolitic. Adaptarea metodei de autentificare prin stimulare in lumina albastra la probele de origine presupusa neolitica si care contin foarte putin material. Studiul metodelor de datare. Stabilirea si implementarea metodologiei de datare a rocilor. Dezvoltarea metodei de analize gamma in vederea efectuării de determinari de doze anuale prin analiza spectrala pe lut tipic zonei in care au fost gasite probele. Recoltarea de probe pentru caracterizarea materialului si incercarea de a-l atribui unei zone dupa amprentele fizico-chimice si/sau radioactive. Stabilirea variantelor metodologice de arheometrie, a naturii si a procedurilor de pregatire a probelor de investigat, a unui protocol de prelevare. Identificarea radionuclizilor ce contribuie la doza gamma pentru evaluarea paleodozei, determinarea activitatilor lor. Amprentarea izotopica a probelor si analiza covariantelor pentru stabilirea gradului de corelare intre ele, atat in interiorul unei zone cat si intre diversele zone de unde au fost recoltate. Metoda de analiza multivariata prin tehnicile de covariante a vizat furnizarea de informatii a priori despre originea probelor odata ce baza de date regionala ar fi disponibila. Dezvoltarea unei metode de analiza si amprentare bazata pe tehnicile gamma, de asemenea folosite la evaluarea paleodozei in experimentele luminescente. Probele recoltate preparate dupa protocolul standard (uscarea, mojarare, cernere, sigilare, asteptare echilibru radioactiv, verificare etansare, calificare pentru analiza) si analizate in geometria de calibrare, pentru a evita pe cat posibil corectii ulterioare si a minimiza bugetul de incertitudine. Studiul tehnicilor de analiza multivariata. Sinteza notiunilor care fundamenteaza procedura dezvoltata. Stabilirea criteriile de selectie a probelor in viitoare campanii si numarul lor pentru a putea avea un esantion statistic reprezentativ. Stabilirea matricii de covariante ce va fi folosita pentru a determina gradul de apartenenta a unei probe la un grup si a diferentia grupurile intre ele. Coagularea activitatilor Centrului de Iradiere Tehnologice

IRASM legate de obiectele de patrimoniu cultural. Trecerea de la tematica speciala de autentificare si datare a obiectelor de patrimoniu prin metodele de termoluminescenta si luminescenta stimulata optic la cea mai generala privind tehnicile instrumentale de conservare si caracterizare ale obiectelor de patrimoniu din: lemn (mobila, sculptura, pictura etc.), hartie (arhive, carti, pictura etc.), textile (covoare, obiecte decorative, pictura, haine etc.), piele (incaltaminte, vestimentatie etc.), chihlimbar (podoabe, obiecte), ceramica (vase de uz casnic, vase decorative etc.), materiale de constructii (caramida, tigla etc.), reziduuri organice in arheologie (resturi organice umane, vegetale, animale). Realizarea primilor pasi in constituirea unui centru de cunoastere in domeniul conservarii, caracterizarii, autentificarii si datarii obiectelor de patrimoniu. Rezultatele mentionate reprezinta obiectivele fazelor, care au fost indeplinite.

- **PN 09 37 02 02 "Cercetări de fizică și inginerie nucleară în context european/NIFIN-3"**

-Prototip de sistem de focalizare a fasciculelor de ioni cu energii de ordinul MeV prin structuri de sticlă cu capilaritate conică; experimentare prototip pentru focalizare a fasciculelor la nivelul de 1μm si adaptarea camerei de reactie (RBS end station) pentru transportul fasciculelor accelerate prin capilare conice de sticla in vederea realizarii de analize RBS cu rezolutii spatiale laterale de maximum 100 micrometri si analize PIXE cu rezolutii spatiale de ordinul 1μm. S-a imbunatatit calitatea analizelor elementale si structurale prin atingerea de rezolutii spatiale de ordinul micrometrilor.

- Realizarea unui sistem automatizat de control a temperaturii probei si invelisului cu ajutorul a doua bai de termostare programabile si construirea; realizarea, punerea in functiune si testarea unei instalatii automatizate pentru efectuarea de masuratori izoterme de condensare capilara; studii ale fenomenului de histerezis in condensarea capilara a lichidelor volatile; elaborarea unei metode pentru determinarea dimensiunii porozitatii materialelor in domeniul nanometrilor bazat pe acest fenomen.

-Dezvoltarea de cercetari bazate pe Spectroscopia Anihilarii Pozitronice(SAP);elaborarea unei metode de determinare a dimensiunilor porozitatii materialelor in domeniul nanometrilor folosind tehnica SAP.

- Realizarea unui spectrometru de timp cu rezolutie temporala de ordinul sutelor de picosecunde (Partea I si Partea II), caracterizarea performantelor si utilizarea la masuratori de timp de viata al pozitronilor in diferite probe pentru evaluarea concentratiilor de defecte in acestea.

- **PN 09 37 02 03 "Informare si diseminare a rezultatelor activitatii de cercetare din fizica nucleara"**

Activitatile desfasurate pe parcursul celor aproape patru ani au vizat cresterea vizibilității IFIN-HH în rândul institutelor de cercetare și publicului larg. Obiectivul a fost realizat prin diseminarea rezultatelor activităților de cercetare – dezvoltare, cu scopul de promovare și transfer tehnologic către industrie sau potențialii utilizatori, de creștere a atractivității domeniului nuclear pentru tineri specialiști, în paralel cu înțelegerea de către persoanele interesate a domeniului nuclear. Pentru aceasta s-au folosit atat metodele clasice de marketing dar și punerea la dispoziția grupurilor țintă a bazelor informaționale existente în departamentele institutului, prin intermediul unor aplicații avansate ale tehnologiei informației. Centrul de Pregătire si Specializare in Domeniul Nuclear are propriul portal-<http://cpsdn.nipne.ro>, care permite un acces direct si facil al utilizatorilor interni si externi. Simultan, CPSDN a pornit un program ambițios de digitizare a informațiilor despre participanții la programele de pregătire derulate de CPSDN în ultima decadă. Acestea au fost agregate într-o bază de date, care este în prezent operațională și care are două subsisteme majore si anume : i) Baza de date pentru solicitanți - persoanele sau grupurile de persoane (aparținând sau nu aceleiași instituții) care își exprimă intenția de a participa la un program de instruire si ii) Baza de date cursanți – arhivează toți cursanții CPSDN din ultima decadă, din momentul eliberării certificatului de absolvire. Pe durata proiectului a fost realizat un catalog complex (color) de prezentare al IFIN-HH. Biblioteca Nationala de Fizica a organizat si gazduit seminarii si alte manifestari stiintifice si de popularizare a activitatii Institutului, intalniri cu furnizori de servicii de biblioteca (abonamente la reviste si baze de date). Tot in cadrul bibliotecii a fost instalat un sistem de videoconferinta care permite interactia directa si rapida cu unitati de cercetare si invatamant din tara.

- **PN 09 37 02 04 „Realizarea si exploatarea de facilitati experimentale in fizica nucleara aplicata”**

S-a examinat compozitia elementala a diverselor artefacte metalice prin metoda fluorescentei de raze X ; compoziția elementală a probelor de interes arheologic vine sa completeze informațiile privind originea și localizarea acestora.

S-a testat aparaturii de masurare a radonului indoor. S-au testat parametrii metodei, repetabilitate, instructiuni de lucru in vederea elaborarii unor proceduri de lucru in laboratorul de radon.

S-a omologat in serie zero sonda SPIN 224, 5 exemplare.

Testarea aparaturii de masurare a radonului indoor.

Parametrii metodei, repetabilitate, instructiuni de lucru in vederea elaborarii unor proceduri de lucru in laboratorul de radon.

Pregatirea procedurilor pentru notificarea unor laboratoare de analize.

Rezultatele achizitiei in configuratia standard pentru neutrinii emisi de soare.

Realizarea unui tomograf de raze X functional si examinarea unor obiecte de interes arheologic.

Punerea la punct a instalatiei AMS pentru masurarari de tritium in placute de carbon (detector, geometria de detectie, sistemul de achizitie).

Dezvoltarea si optimizarea acceleratorului de pozitroni monoenergetici.

- ***PN 09 37 02 05 "Cercetari destinate dezvoltarii bazei de etaloane a Romaniei in domeniul radiatiilor ionizante, dedicate aplicatiilor medicale si radioactivitatii mediului"***

A avut drept obiectiv asigurarea conditiilor in vederea realizarii trasabilitatii pentru aparatura de masura din Romania in acest domeniu.

Finalizarea cu succes a tuturor lucrarilor prevazute pentru acest proiect a permis realizarea conditiilor pentru etalonarea/incercarea aparaturii destinate masurarii marimilor specifice radiatiilor ionizante, cu aplicabilitate in domeniul radiologiei medicale, precum si al masurarilor dozimetrice in mediu.

Realizarea obiectivelor proiectului, in ansamblu dar si pe etape a avut un impact pozitiv permitand participarea colectivului la trei proiecte internationale:

- Belgian Nuclear Research Centre, SCK-CEN, Mol Knowledge transfer and collaboration with Romania in domain of Radiation Protection-Nuclear Calibrations
- EURAMET project 1177 (2011-2012) Comparasion of calibration of KAP meters in terms of air kerma area product
- EURAMET-EMRP: JRP ENG08 MetroFission (2010-2013), JRP IND04 MetroMetal (2011-2014)

Participarea la aceste proiecte internationale, impreuna cu celelalte rezultate obtinute pe parcursul derularii lucrarilor la proiect au condus la realizarea obiectivului final si anume obtinerea desemnarilor de catre CNCAN si a acedritarilor de catre RENAR, a CMRID ca laborator de etalonari si respectiv ca laborator de incercari in domeniul radiatiilor ionizante.

- ***PN 09 37 02 06 „Cercetari in realizarea unor noi compusi radiomarcati cu aplicatii in stiintele vietii ”***

Obiectivele proiectului au fost realizate integral. In cadrul proiectului au fost sustinute cercetari din temetica de baza a Departamentului Radioizotopi si Metrologia Radiatiilor. Principalele rezultate obtinute sunt (1) in domeniul dezvoltarii infrastructurii de cercetare (caracterizarea radiologica a zonei supusa operatiunilor de reabilitare in cadrul POS CCE IFIN-DIC/C3; dezafectare instalatii si utilaje; sistem on-line de monitorizare a efluentilor gazosi potential contaminati cu tritium; sisteme de detritiere efluenti gazosi potential contaminati cu tritium; sistem centralizat de dozimetrie pentru monitorizarea zonelor controlate si supravegheate; Standuri si proceduri/protocoale pentru efectuarea testelor de anduranta la actiunea tritiului; amenajarea laboratorului pentru testarea biologica in vitro a radiofarmaceuticelor; implementare sistem de management al calitatii in conformitate cu ISO 9001; Reabilitarea infrastructurii de cercetare implicand substante cu risc biologic, chimic si radiologic, astfel incat sa fie indeplinite concomitent standardele de biosecuritate si securitate nucleara (2) definirea potentialului unor agenti destinati medicinei nucleare pentru imagistica/terapie (studii preclinice pentru anticorp monoclonal Mab anti-E-selectina radiomarcata, conjugat nanoparticule de albumina respectiv peptide marcate cu Ga-68 cu utilitate in diagnosticul imagistic PET si monitorizarea terapeutica; protocoale experimentale privind prelevarea si procesarea probelor biologice utilizate in cercetari preclinice implicand compusi marcati radioactiv) si (3) modele experimentale aplicative ale compusilor marcati (sursa liniara distribuita de ⁶⁰Co destinata nivelmetriei de urmarire; dispozitiv medical sursa radioactiva inchisa de ¹⁹²Ir, tip SRC-Ir).

- ***PN 09 37 03 01 "Dezvoltarea de cercetari experimentale, produse informatice si programe expert pentru evaluarea impactului activitatilor nucleare si industriale asupra mediului inconjurator si sistemelor biologice"***

Proiectul PN 09 37 03 01, incluzand 14 rapoarte de faza, s-a derulat in perioada martie 2009 – mai 2012 si a acoperit intreaga arie de cercetari a Departamentului de Fizica Vietii si Mediului, implicand personalul de cercetare din departament in totalitatea sa.

Rezultatele cercetarilor desfasurate in cadrul proiectului au condus la realizarea integrala a obiectivelor propuse, acestea materializandu-se in: 111 lucrari stiintifice, 6 studii, 14 documentatii, 4 produse informatice, 7 brevete, 37 participari la manifestari stiintifice de profil (conferinte, simpozioane, seminarii, ateliere de lucru etc.), 6 capitole in carti de specialitate. In acelasi timp rezultatele cercetarilor au constituit fundamentul pentru alte lucrari de cercetare, determinand contractarea de 2 proiecte internationale si 6 proiecte nationale.

Parte din activitati, sub forma de servicii ori studii strategice sau prospective in domenii de raspundere strategica, s-au adresat unor organisme sau institutii de decizie ale statului, la nivel central, regional sau local, raspunzand anticipativ cerintelor prioritare de calitate a activitatii de cercetare-dezvoltare, indicate in Hotararea nr. 1062/19 octombrie 20110 (Guvernul Romaniei, Monitorul Oficial nr. 804/14 noiembrie 2011, Anexa 2 la normele metodologice, Fisa evaluatorului, pct.1. Calitatea activitatii de cercetare-dezvoltare si a rezultatelor acestei activitati):

-Seminarul "Analogii fizice si tehnici de evaluare in domeniul protectiei infrastructurilor critice", 16.02.2011, organizat la IFIN-HH, la solicitarea Directorului General al Directiei Generale Management Operational din Ministerul Administratiei si Internelor;

-Activitate de informare operativa (SAT Briefings), evaluari IFIN-HH/RODOS, masurari radioactivitate ambientala in perioada imediat urmatoare accidentului nuclear de la Fukushima (martie-mai 2011):

http://www.ifin.ro/fukushima_2011/informari.html.

-Serie de seminarii pentru perfectionarea personalului, la solicitarea Agentiei Internationale pentru Energia Atomica, Viena: IAEA Training course "Strengthening National Capabilities for Response to a Radiological and Nuclear Emergency". RAF/9/040, 9-20 January, 2012, IFIN-HH, Romania.

In raportul final al comisiei internationale de evaluare institutionala a IFIN-HH, activitati din cadrul proiectului au fost apreciate si au condus la calificativul "excellent" acordat departamentului

(http://www.nipne.ro/community/intranet/intranet_docs/IFIN-Final-Report-May-6-2012.pdf):

"High visibility was achieved with expert systems developed at the institute, e.g. with the modeling of the nuclear radioactivity distribution after the Fukushima accident, when the forecast results were published on the web and later on found to be in excellent agreement with the real-world observations - a quite remarkable achievement. Environmental and occupational exposure dosimetry is of practical importance for the safety of Romanian people. Similarly, the computational modeling and risk assessment of tritium emission are of special national importance for Romania as the nuclear energy is produced from CANDU-type reactors."

- **PN 09 37 03 02 "Tehnici si tehnologii de dezafectare a instalatiilor nucleare si radiologice si managementul materialelor rezultate din practici nucleare"**

Pe parcursul derularii Programului Nucleu, au fost realizate urmatoarele documente:

- Plan de caracterizare radiologica a instalatiei post-accelerare TANDEM
 - Plan de dezafectare a instalatiei post-accelerare TANDEM
 - Plan conceptual de dezafectare a Reactorului de putere o
 - Plan detaliat de dezafectare a Reactorului de Putere 0
 - Plan conceptual de dezafectare a Ansamblului Subcritic HELEN
 - Plan detaliat de dezafectare a Ansamblului Subcritic HELEN
 - Elaborarea tehnicilor de dezmembrare aplicabile structurilor, sistemelor, echipamentelor si componentelor instalatiilor nucleare
 - Stabilirea unei metode de tratare a deseurilor radioactive lichide dezvoltarea unei tehnologii de tratare a deseurilor lichide asigurarea capabilitatilor de tratare in vederea dezafectarii reactorului de cercetare VVR-S.
 - Dezvoltare concept conditionare si stocare in conditii de siguranta radiologica; evaluarea elementelor de radioprotectie si protectie fizica; identificarea aspectelor privind sistemul de monitorizare pe termen lung elaborare proiect tehnic si detalii de executie.
 - Realizarea Coletului pentru stocarea pe termen lung a deseurilor radioactive alfa active CSM-SS-ALFA, incercarile produsului in conformitate cu normativul propus ,obtinerea autorizatiei de siguranta radiologica si elaborarea documentatiei tehnice in vederea obtinerii de brevet de inventie.
 - Program tehnologic si experimental pentru managementul deseurilor radioactive istorice, a materialelor radioactive rezultate din practici nucleare si dezafectari de instalatii nucleare si radiologice, in containere ECOLRAD.
 - Identificarea si evaluarea metodelor de gestionare a deseurilor radioactive rezultate din procesul de modernizare a instalatiilor STDR
- **PN 09 37 04 01 „Stabilirea principalelor directii stiintifice ce urmeaza a se desfasura la proiectul ELI-NP si a mijloacelor tehnice de realizare a acestora , definirea caracteristicilor tehnice ale spatiilor si echipamentelor pentru evaluarea costurilor si realizarea studiului de fezabilitate"**

Activitatea in cadrul proiectului a avut ca obiectiv realizarea tuturor actiunilor pregatitoare in vederea implementarii in Romania a proiectului ELI-NP (Extreme Light Infrastructure-Nuclear Physics). Rezultatele acestei activitati s-au concretizat in:

1. Realizarea studiilor privind laserii de mare putere, sursa gamma de mare intensitate, experimentele si a cazului stiintific, cuprinse in Cartea Alba a proiectului;
2. Realizarea studiului de prefezabilitate;
3. Realizarea studiului de fezabilitate;
4. Realizarea si transmiterea spre evaluare la Comisia Europeana a proiectului de finantare;
5. Activitati de cercetare in sprijinul definitivarii detaliilor tehnice ale proiectului;
6. Organizarea de actiuni de promovare si diseminare ;
7. Realizarea studiilor de piata pentru viitoarele achizitii de echipamente;

8. Realizarea documentațiilor de atribuire pentru elementele principale ale Infrastructurii ELI-NP;
9. Realizarea de studii specifice pornind de la cerințele și caracteristicile viitoarelor echipamente ce urmează a se instala: studiul de protecție împotriva vibrațiilor, studiul de protecție la impulsul electromagnetic generat în camera de ținte la interacția laserului cu materia, studiul de radioprotecție.
10. Activități de informare la mari infrastructuri de cercetare cu activități în domenii apropiate pentru fundamentarea corectă a documentațiilor în susținerea proiectului;
11. Organizarea și participarea la conferințe și workshop-uri având ca subiecte infrastructurile de cercetare cu laseri și fascicule gamma.

Valorificarea rezultatelor obținute în cadrul Programului Nucleu:

I. Documentații, studii, lucrări, planuri, scheme și altele asemenea:

Tip	Nr. Total din care pe ani	2009	2010	2011	2012
Documentații	172	43	52	60	17
Studii	8	8	0	0	0
Lucrări	927	192	298	297	140
Planuri	2	2	0	0	0
Scheme	0	0	0	0	0
Altele asemenea (echipamente dedicate, realizare stand iradiere, caiet sarcini reabilitare Laborator iradierii)	6	2	1	2	1

Din care:

I.1. Lucrări științifice publicate în jurnale cu factor de impact relativ ne-nul (2009-2012):

Nr.	Titlul articolului	Numele Jurnalului, Volumul, pagina nr.	Nume Autor	Anul publicării	Scorul relativ de influență al articolului	Numărul de citări ISI
PN 09 37 0101						
1.	A General Search for New Phenomena at HERA.	<i>Phys. Lett. B 674: pp 257-268</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	2
2.	A Precision Measurement of the Inclusive ep Scattering Cross Section at HERA.	<i>Eur. Phys. J. C64, pp 561-587;</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.30361	16
3.	Deeply Virtual Compton Scattering and its Beam Charge Asymmetry in e^{\pm} p Collisions at HERA .	<i>Phys. Lett. B681, pp 391-399</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	6
4.	Events with Isolated Leptons and Missing Transverse Momentum and Measurement of W Production at HERA.	<i>Eur. Phys. J. C64, pp 251-271;</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.30361	5

5.	Inclusive Photoproduction of ρ^0, K^{*0} and phi Mesons at HERA.	<i>Physics Letters B673; pp 119-126</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	3
6.	Measurement of Diffractive Scattering of Photons with Large Momentum.	<i>Phys. Lett. B672, Pages 219-226</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	0
7.	Measurement of the Inclusive ep Scattering Cross Section at Low Q^2 and x at HERA.	<i>Eur.Phys.J.C63; pp 625</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.30361	6
8.	Multi-Leptons with High Transverse Momentum at HERA.	<i>JHEP 0910:013</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.67711	2
9.	Observation of the Hadronic Final State Charge Asymmetry in High Q^2 Deep-Inelastic Scattering at HERA.	<i>Physics Letters B 681, pp 125-133</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	4
10.	Search for Excited Quarks in ep Collisions at HERA.	<i>Physics Letters B 678, pp 335-343</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	2
11.	Search for Single Top Quark Production at HERA.	<i>Physics Letters B 678, pp 450-458</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	3.62428	6
12.	Strangeness production at low Q^2 in deep-inelastic ep scattering at HERA.	<i>Eur. Phys. J C 61, Pages 185-205</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.30361	0
13.	Study of Charm Fragmentation into $D^{*\pm}$ Mesons in Deep-Inelastic Scattering at HERA.	<i>Eur. Phys. J .C59, Pages 589-606</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2009	1.30361	0
14.	J/ψ azimuthal anisotropy relative to the reaction plane in Pb-Pb collisions at 158 GeV per nucleon.	<i>Eur. Phys. J.C61:pp 853-858</i>	C. Alexa, V. Boldea, S. Constantinescu, S. Dita, et al., NA50 Collaboration,	2009	1.30361	0
15.	The $K^- \pi^+$ S-wave from the $D^+ \rightarrow K^- \pi^+ \pi^+$ Decay.	<i>Phys. Lett. B 681:pp 14-21</i>	D. Pantea et al., FOCUS Collaboration	2009	3.62428	0
16.	Combined Measurement and QCD Analysis of the Inclusive ep Scattering Cross Sections at HERA	<i>J. High Energy Phys. 1001:109, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.67711	41
17.	Diffractive electroproduction of ρ and ω mesons at HERA	<i>J. of High Energy Physics 05:032, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1	2010	1.67711	7

			Collaboration			
18.	Events with an Isolated Lepton and Missing Transverse Momentum and Measurement of W Production at HERA	<i>J. High Energy Phys. 1003:035, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.67711	0
19.	Inelastic Production of J/psi Mesons in Photoproduction and Deep Inelastic Scattering at HERA	<i>Eur. Phys. J. C68:401, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	7
20.	Jet Production in ep Collisions at High Q ² and Determination of alpha _s	<i>Eur. Phys. J. C65:363, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	10
21.	Jet Production in ep Collisions at Low Q ² and Determination of alpha _s	<i>Eur. Phys. J. C67:1-24, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	6
22.	Measurement of Leading Neutron Production in Deep-Inelastic Scattering at HERA	<i>Eur. Phys. J. C68:381, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1,30361	4
23.	Measurement of the Charm and Beauty Structure Functions using the H1 Vertex Detector at HERA	<i>Eur. Phys. J. C 65:89-109, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	17
24.	Measurement of the D* Meson Production Cross Section and F2CC	<i>Phys. Lett. B 686:91-100, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	3.62428	5
25.	Prompt Photons in Photoproduction at HERA	<i>Eur. Phys. J. C 66:17-33, 2010</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	5
26.	Measurement of the diffractive longitudinal structure function F _L (D) at HERA	<i>Eur. Phys. J. C 71:1836</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	0
27.	Diffractive Dijet Photoproduction in ep Collisions at HERA	<i>Eur. Phys. J. C 70: pp 15-37</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2010	1.30361	0
28.	Study of energy response and resolution of the ATLAS barrel calorimeter to hadrons of energies from 20GeV to 350GeV	<i>Nucl. Instrum. Meth. A621:134-150</i>	C. Alexa, V. Boldea, S. Constantinescu, S. Dita, et al., ATLAS Collaboration	2010	1.02286	11
29.	Readiness of the ATLAS Liquid Argon Calorimeter for LHC Collisions	<i>Eur. Phys. J C70 (2010) 723</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S.	2010	1.30361	10

			Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
30.	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons	<i>Eur. Phys. J C70 (2010) 755</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.30361	1
31.	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC	<i>Phys Lett B 688, 1, 21, 2010</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	3.62428	73
32.	The ATLAS Inner Detector commissioning and calibration	<i>Eur.Phys.J C:70 (2010) 787-821</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.30361	8
33.	The ATLAS Simulation Infrastructure	<i>Eur.Phys.J C:70, pp 823-874</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.30361	83
34.	Performance of the ATLAS Detector using First Collision Data	<i>J. High Energy Phys. 1009:056</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu,	2010	1.67711	0

			P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
35.	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays	<i>Eur. Phys. J C:70 (2010) 875</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.30361	5
36.	Readiness of the ATLAS tile calorimeter for LHC collisions	<i>Eur. Phys. J C:70 (2010) 1193</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.30361	2
37.	Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC	<i>Phys. Rev. Lett. 105.161801</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	7.98625	21
38.	Search for Quark Contact Interactions in Dijet Angular Distributions in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC	<i>Phys.Lett.B 694 327-345</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	23
39.	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS	<i>Eur. Phys. J C71 1512</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L.	2011	1.30361	11

	detector		Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
40.	Measurement of the W \rightarrow lnu and Z/gamma* \rightarrow ll production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector, ATLAS Collaboration	<i>J. High Energy Phys</i> 12 060	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	1.67711	16
41.	Observation of a centrality-dependent dijet asymmetry in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC, ATLAS Collaboration	<i>Phys. Rev. Lett.</i> 105, 252303	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2010	7.98625	44
42.	Combined performance studies for electrons at the 2004 ATLAS combined test-beam	<i>J. of Instrumentation, Volume 5,</i> P11006	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea et al., ATLAS Collaboration,	2010	2.12230	1
43.	Kaonic atoms studies at DAFNE by the SIDDHARTA experiment	<i>Nuclear Physics A Volume 835,</i> 27-34	A.M. Bragadireanu, D. Pietreanu et al,	2010	1.09321	0
44.	Measurement of Charm and Beauty Jets in Deep Inelastic Scattering at HERA.	<i>Eur.Phys.J. C71</i> 1509	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	0
45.	Search for Squarks in R-parity Violating Supersymmetry in ep Collisions at HERA.	<i>Eur.Phys.J. C71</i> 1572	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	2
46.	Measurement of the cross section for diffractive deep-inelastic scattering with a leading proton at HERA.	<i>Eur.Phys.J. C71</i> 1578	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	2
47.	Measurement of the Inclusive $e\{\mu\}p$	<i>Eur.Phys.J. C71</i> 1579	C. Alexa, M. Rotaru, G.	2011	1.30361	2

	Scattering Cross Section at High Inelasticity y and of the Structure Function FL.		Stoicea, et al. H1 Collaboration			
48.	Measurement of $D^{*\pm}$ Meson Production and Determination of F_2^{ccbar} at low Q^2 in Deep-Inelastic Scattering at HERA.	<i>Eur.Phys.J. C71 1769</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	0
49.	Measurement of Photon Production in the Very Forward Direction in Deep-Inelastic Scattering at HERA.	<i>Eur.Phys.J. C71 1771</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	1.30361	0
50.	Search for lepton flavour violation at HERA.	<i>Phys.Lett. B701 20-30</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	3.62428	0
51.	Search for First Generation Leptoquarks in ep Collisions at HERA.	<i>Phys.Lett. B704 388-396</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	3.62428	2
52.	Search for Contact Interactions in $e^{\pm}p$ Collisions at HERA.	<i>Phys.Lett. B705 52-58</i>	C. Alexa, M. Rotaru, G. Stoicea, et al. H1 Collaboration	2011	3.62428	0
53.	Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector	<i>Phys.Rev.Lett. 106 121803</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	0
54.	Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions	<i>Phys.Rev.Lett. 106 131802</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	0
55.	Measurement of Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}=7$ TeV	<i>Phys.Rev.Lett. 106 172002</i>	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S.	2011	7.98625	0

			Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
56.	Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC	Phys.Rev.Lett. 106 (2011) 251801	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	0
57.	Measurement of the WW production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Rev.Lett. 107 (2011) 041802	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	0
58.	Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow 4\ell$ final state with the ATLAS detector	Phys.Rev.Lett. 107 (2011) 221802	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	3
59.	Search for the Higgs boson in the $H \rightarrow WW \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Rev.Lett. 107 (2011) 231801	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	7.98625	0
60.	Search for dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Rev.Lett. 107 (2011) 272002	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu,	2011	7.98625	6

			P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
61.	Search for Quark Contact Interactions in Dijet Angular Distributions in pp Collisions at $\sqrt{s} = 7$ TeV Measured with the ATLAS Detector	Phys.Lett. B694 (2011) 327-345	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	23
62.	Measurement of the centrality dependence of J/? Yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC	Phys.Lett. B697 (2011) 294-312	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	16
63.	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.	Phys.Lett. B698 (2011) 325-345	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	19
64.	Search for Massive Long-lived Highly Ionising Particles with the ATLAS Detector at the LHC	Phys.Lett. B698 (2011) 353-370	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	4
65.	Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment	Phys.Lett. B700 (2011) 163-180	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L.	2011	3.62428	17

			Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
66.	Search for Stable Hadronising Squarks and Gluinos at the ATLAS Experiment at the LHC	Phys.Lett. B701 (2011) 1-19	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	13
67.	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton proton collisions	Phys.Lett. B701 (2011) 186-203	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	58
68.	Measurement of the Muon Charge Asymmetry from W Bosons Produced in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B701 (2011) 31-49	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	0
69.	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b-jets	Phys.Lett. B701 (2011) 398-416	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	0
70.	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B701 (2011) 50-69	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea,	2011	3.62428	0

			M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,			
71.	Search for Heavy Long-Lived Charged Particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV	Phys.Lett. B703 (2011) 428-446	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	3
72.	Search for neutral MSSM Higgs boson decaying to $\tau^+\tau^-$ pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment	Phys.Lett. B705 (2011) 174-192	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	4
73.	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector	Phys.Lett. B705 (2011) 28-46	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	3
74.	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions	Phys.Lett. B705 (2011) 294-312	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	5
75.	Measurement of the transverse momentum distribution of Z/γ^* bosons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B705 (2011) 415-434	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G.	2011	3.62428	1

			Stoicea, et al., ATLAS Collaboration,			
76.	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4l$ with the ATLAS detector	Phys.Lett. B705 (2011) 435-451	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	11
77.	Search for the Higgs boson in the two photon decay channel with the ATLAS detector at the LHC	Phys.Lett. B705 (2011) 452-470	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	3
78.	Measurement of the Upsilon(1S) Production Cross-Section in pp Collisions at $\sqrt{s} = 7$ TeV in ATLAS	Phys.Lett. B705 (2011) 9-27	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	0
79.	Measurement of the inclusive isolated prompt photon cross section in collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using 35 pb-1	Phys.Lett. B706 (2011) 150-167	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	3.62428	0
80.	Study of Jet Shapes in Inclusive Jet Production in pp Collisions at $\sqrt{s} = 7$ TeV using the ATLAS Detector	Phys.Rev. D83 (2011) 052003	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al.,	2011	1.67198	0

			ATLAS Collaboration,			
81.	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Rev. D83 (2011) 052005	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67198	0
82.	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC	Phys.Rev. D83 (2011) 112006	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67198	0
83.	Search for Contact Interactions in Dimuon Events from pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys.Rev. D84 (2011) 011101	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67198	0
84.	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector	Phys.Rev. D84 (2011) 054001	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67198	0
85.	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector	JHEP 1109 (2011) 053	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS	2011	1.67711	0

			Collaboration,			
86.	Measurement of the production cross section of $W\gamma$ and $Z\gamma$ at $\sqrt{s} = 7$ TeV with the ATLAS Detector	JHEP 1109 (2011) 072	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67711	0
87.	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	JHEP 1110 (2011) 107	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67711	0
88.	Charged particle multiplicities in pp interactions measured with the ATLAS detector at the LHC	New J.Phys. 13 (2011) 053033	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	4.60710	0
89.	Search for New Physics in Dijet Mass and Angular Distributions in 36 pb^{-1} of pp Collisions at $\sqrt{s} = 7$ TeV Measured with the ATLAS Detector	New J.Phys. 13 (2011) 053044	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	4.60710	0
90.	Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ production in proton-proton collisions at $\sqrt{s} = 7$ TeV	Nucl. Phys. B 850 (2011) 387-444	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS	2011	1.89759	0

			Collaboration,			
91.	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900$ GeV and 7 TeV with the ATLAS Detector	Phys.Rev. D83 (2011) 112001	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.67198	0
92.	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector	Eur.Phys.J. C71 (2011) 1512	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
93.	Studies of the performance of the ATLAS detector using cosmic-ray muons	Eur.Phys.J. C71 (2011) 1593	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
94.	Luminosity Determination in pp Collisions at $\sqrt{s} = 7$ TeV using the ATLAS Detector at the LHC	Eur.Phys.J. C71 (2011) 1630	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
95.	Measurements of underlying-event properties using neutral and charged particles in pp collisions at 900 GeV and 7 TeV with the ATLAS detector at the LHC	Eur.Phys.J. C71 (2011) 1636	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS	2011	1.30361	0

			Collaboration,			
96.	Search for an excess of events with identical flavour lepton pairs and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS experiment	Eur.Phys.J. C71 (2011) 1647	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
97.	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS	Eur.Phys.J. C71 (2011) 1682	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
98.	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Eur.Phys.J. C71 (2011) 1728	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
99.	Search for Diphoton Events with Large Missing Transverse Energy with 36 pb ⁻¹ of 7 TeV Proton-Proton Collision Data with the ATLAS Detector	Eur.Phys.J. C71 (2011) 1744	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
100.	Measurement of multi-jet cross-sections in proton-proton collisions at 7 TeV center-of-mass energy	Eur.Phys.J. C71 (2011) 1763	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS	2011	1.30361	0

			Collaboration,			
101.	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector at the LHC	Eur.Phys.J.C 71 (2011) 1795	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
102.	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data	Eur.Phys.J.C 71 (2011) 1809	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
103.	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector	Eur.Phys.J.C 71 (2011) 1828	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
104.	Measurement of the inclusive and dijet cross sections of b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Eur.Phys.J.C 71 (2011) 1846	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS Collaboration,	2011	1.30361	0
105.	Measurement of the top quark pair production cross-section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV	Eur.Phys.J. C71 (2011) 1577	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, S. Constantinescu, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea, et al., ATLAS	2011	1.30361	0

			Collaboration,			
106.	Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions at ATLAS and limits on anomalous gauge couplings	Physics Letters B 712 (2012) 289-308	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
107.	Observation of spin correlation in ttbar events from pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector	Phys. Rev. Lett. 108, 212001 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
108.	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Rev. D 85, 092014 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
109.	Measurement of the polarisation of W bosons produced at large momentum transfer in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment at the LHC	Eur. Phys. J. C72 (2012) 2001	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
110.	Search for new particles decaying to ZZ using	Physics Letters B 712 (2012) 331-350	C. Alexa, E. Badescu, V.	2012	3.62428	0

	final states with leptons and jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions		Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
111.	Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector	Physics Letters B 712 (2012) 351-369	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
112.	Search for same-sign top quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	JHEP 1204 (2012) 069	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67711	0
113.	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV	Eur. Phys. J. C72 (2012) 1993	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
114.	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final	JHEP 1205 (2012) 059	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu,	2012	1.67711	0

	states with two high-pT leptons		M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
115.	Search for the Standard Model Higgs boson in the diphoton decay channel with 4.9 fb ⁻¹ of pp collisions at $\sqrt{s} = 7$ TeV with ATLAS	Phys. Rev. Lett. 108, 111803 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
116.	Combined search for the Standard Model Higgs boson using up to 4.9 fb ⁻¹ of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC	Phys.Lett. B710 (2012) 49-66	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
117.	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow 4l$ with 4.8 fb ⁻¹ of pp collisions at $\sqrt{s} = 7$ TeV with ATLAS	Phys.Lett. B710 (2012) 383-402	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
118.	Search for Contact Interactions in Dilepton Events from pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys. Lett. B712 (2012) 40-58	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G.	2012	3.62428	0

			Stoicea et al., ATLAS Collaboration,			
119.	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector	Eur. Phys. J. C72 (2012) 1965	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
120.	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Rev. D85 (2012) 072003	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
121.	Rapidity Gap Cross Sections measured with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7$ TeV	Eur. Phys. J. C72 (2012) 1926	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
122.	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel	Phys.Lett. B711 (2012) 244-263	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0

123.	Study of jets produced in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Rev. D85 (2012) 092002	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
124.	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the Standard Model with the ATLAS detector	Phys. Rev. D 85, 032004 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
125.	Search for heavy vector-like quarks coupling to light generations in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Lett. B712 (2012) 22-39	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
126.	Observation of a new χ_{b0} state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS	Phys. Rev. Lett. 108 (2012) 152001	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
127.	Measurement of D^* meson production in jets from pp Collisions at $\sqrt{s} = 7$ TeV with the	Phys. Rev. D85 (2012) 052005	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M.	2012	1.67198	0

	ATLAS Detector		Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
128.	Search for scalar bottom pair production with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV	Phys. Rev. Lett. 108, 181802 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
129.	Search for Production of Resonant States in the Photon-Jet Mass Distribution using pp Collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS Detector	Phys. Rev. Lett. 108, 211802 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
130.	Search for the Higgs boson in the $H \rightarrow WW(*) \rightarrow l \nu l \nu$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Rev. Lett. 108, 111802 (2012)	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
131.	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector	Phys.Lett. B710 (2012) 538-556	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L.	2012	3.62428	0

			Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
132.	Measurement of the WZ Production Cross Section and Limits on Anomalous Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys. Lett. B709 (2012) 341-357	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
133.	Search for Diphoton Events with Large Missing Transverse Energy with 1 fb ⁻¹ of 7 TeV Proton-Proton Collision Data with the ATLAS Detector	Phys.Lett.B710 (2012) 519-537	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
134.	Measurement of the production cross section for Z/gamma* in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys. Rev. D85 (2012) 032009	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
135.	Kshort and Lambda production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC	Phys.Rev. D85 (2012) 012001	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS	2012	1.67198	0

			Collaboration,			
136.	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC	Phys.Lett. B709 (2012) 322-340	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
137.	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions	Phys. Lett. B709 (2012) 137-157	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
138.	Measuring the material in the ATLAS Inner Detector with secondary hadronic interactions with 7 TeV data	JINST 7 (2012) P01013	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	2.12230	0
139.	Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys. Rev. Lett. 108 (2012) 041804	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
140.	Electron performance measurements with the	Eur. Phys. J. C72 (2012) 1909	C. Alexa, E. Badescu, V.	2012	1.30361	0

	ATLAS detector using the 2010 LHC proton-proton collision data		Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
141.	Performance of the ATLAS Trigger System in 2010	Eur.Phys.J. C72 (2012) 1849	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
142.	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions	Phys. Lett. B710 (2012) 67-85	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
143.	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb ⁻¹ of ATLAS data	Phys.Rev. D85 (2012) 012006	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
144.	Measurement of the inclusive W ⁺ - and Z/gamma cross sections in the electron and muon decay channels in pp collisions at $\sqrt{s} = 7$	Phys. Rev. D85 (2012) 072004	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu,	2012	1.67198	0

	TeV with the ATLAS detector		M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
145.	Search for New Phenomena in ttbar Events With Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys. Rev. Lett. 108 (2012) 041805	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	7.98625	0
146.	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS	Phys.Lett. B707 (2012) 478-496	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
147.	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B707 (2012) 418-437	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
148.	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B706 (2012) 295-313	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G.	2012	3.62428	0

			Stoicea et al., ATLAS Collaboration,			
149.	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector	Phys.Lett. B707 (2012) 438-458	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
150.	Search for New Physics in the Dijet Mass Distribution using 1 fb ⁻¹ of pp Collision Data at $\sqrt{s} = 7$ TeV collected by the ATLAS Detector	Phys. Lett. B 708 (2012) 37-54	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
151.	Measurement of the Transverse Momentum Distribution of W Bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	Phys.Rev. D85 (2012) 012005	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.67198	0
152.	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS	Phys.Lett. B707 (2012) 330-348	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0

153.	Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector	Phys.Lett.B710 (2012) 363-382	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
154.	Performance of Missing Transverse Momentum Reconstruction in Proton-Proton Collisions at 7 TeV with ATLAS	Eur.Phys.J. C72 (2012) 1844	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	1.30361	0
155.	Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow 4lqq$ using the ATLAS detector	Phys.Lett. B707 (2012) 27-45	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
156.	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS	Phys. Lett. B708 (2012) 221-240	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
157.	Measurement of the W to tau nu Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS	Phys.Lett. B706 (2012) 276-294	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M.	2012	3.62428	0

	experiment		Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,			
158.	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS	Phys.Lett. B707 (2012) 459-477	C. Alexa, E. Badescu, V. Boldea, I. Caprini, M. Caprini, M. Ciubancan, S. Constantinescu, M.C. Cuciuc, P. Dita, S. Dita, L. Micu, D. Pantea, M. Rotaru, G. Stoicea et al., ATLAS Collaboration,	2012	3.62428	0
PN 09 37 01 02						
1.	Bound states of one-, two-, and three-dimensional solitons in complex Ginzburg-Landau equations with a linear potential	Opt. Lett. 34, 2976-2978	Y.J. He, B. A. Malomed, D. Mihalache, B. Liu, H.C. Huang, HC , H. Yang, H.Z. Wang	2009	3.5022	9
2.	Stable vortex solitons in the Ginzburg-Landau model of a two-dimensional lasing medium with a transverse grating	Phys. Rev. A 80, 033835	H. Leblond, B. A. Malomed, D. Mihalache	2009	3.0898	20
3.	Few-optical-cycle solitons: Modified Korteweg-de Vries sine-Gordon equation versus other non-slowly-varying-envelope-approximation models	Phys. Rev. A 79, 063835	H. Leblond, D. Mihalache	2009	3.0898	11
4.	Elliptic vortices in composite Mathieu lattices	Phys. Rev. A 79, 053852	F.W. Ye, D. Mihalache, B.B. Hu	2009	3.0898	8
5.	Interactions of spatiotemporal solitons and vortices in fiber bundles	Phys. Rev. A 79, 033841	H. Leblond, B.A. Malomed, D. Mihalache	2009	3.0898	13
6.	Coherence domains in matter interacting with radiation	Phys. Lett. A373 379	M Apostol	2009	1.6	0
7.	Dynamics of collective density modes in multi-	Phys.&Chem.Liquids 47 35	M Apostol	2009	0.3	0

	component molecular mixtures					
8.	Electric flow through an ideal ferromagnet-superconductor junction	Physica C469 273	O A Dobrescu, L C Cune and M Apostol	2009	0.75	0
9.	Electromagnetic field interacting with a semi-infinite plasma	J. Opt. Soc. Am. A26 1747	M Apostol and G Vaman	2009	1.86	0
10.	Reflection and refraction of the electromagnetic field in a semi-infinite plasma	Optics. Commun. 282 4329	M Apostol and G Vaman	2009	1.24	0
11.	Reflected and refracted of the electromagnetic field in a semi-infinite body	Solid State Commun. 149 1936	M Apostol and G Vaman	2009	1.4	0
12.	Plasmons and polaritons in a semi-infinite plasma and a plasma slab	Physica B404 3775	M Apostol and G Vaman	2009	1.75	0
13.	Entanglement dynamics of two-mode Gaussian states in a thermal environment	J. Russian Laser Res. 30 458-465	A. Isar	2009	0.147	8
14.	Entanglement generation and evolution in open quantum systems	Open Systems and Information Dynamics 16 205-219	A. Isar	2009	0.473	16
15.	Entanglement in open quantum dynamics	Physica Scripta T135 014033 (5p)	A. Isar	2009	0.337	13
16.	The fractional exclusion statistics amended	EPL 87, 60009	D. V. Anghel	2009	3.37975	0
17.	A uniform asymptotic approximation of the 3D scattering wavefunction for a central potential: A new Ansatz	J. Phys. A: Math. Theor. 42, 465306	N. Grama, Cornelia Grama, I. Zamfirescu	2009	1.54639	0
18.	Eigenvalue problem for a coupled channel Schrodinger equation with application to the description of deformed nuclear systems	Journal Of Computational And Applied Mathematics 228, 197-211.	V. Ledoux, M. Rizea, M. Van Daele, G. Vanden Berghe and I. Silisteanu	2009	0.884	5
19.	A Note on Moduli Stabilisation in Heterotic Models in the Presence of Matter Fields.	Phys.Lett. B674 139-142	Micu, A.	2009	3.58661	3
20.	Varieties of Stable Vortical Solitons in Ginzburg-Landau Media with Radially	Phys. Rev. Lett. 105, 213901	V. Skarka, N.B. Aleksic, H. Leblond, B.A. Malomed, D.	2010	7.9862	11

	Inhomogeneous Losses		Mihalache			
21.	Annular light beams induced by coupling a dissipative spatial soliton on the top of a sharp external potential	J. Opt. Soc. Am. B 27, 2174-2179	Y.J. He, D. Mihalache, B. Hu	2010	2.212	2
22.	Exact solutions of the Gross-Pitaevskii equation for stable vortex modes in two-dimensional Bose-Einstein condensates	Phys. Rev. A 81, 061805	L. Wu, L. Li, J. F. Zhang, D. Mihalache, B. A. Malomed, W. M. Liu,	2010	3.0898	16
23.	Ultrashort light bullets described by the two-dimensional sine-Gordon equation	Phys. Rev. A 81, 063815	H. Leblond, D. Mihalache	2010	3.0898	10
24.	Generation of arrays of spatiotemporal dissipative solitons by the phase modulation of a broad beam	J. Opt. Soc. Am. B 27, 1266-1271	Y. J. He, B. A. Malomed, D. Mihalache, F. W. Ye, B. B. Hu	2010	2.212	5
25.	Soliton drift, rebound, penetration, and trapping at the interface between media with uniform and spatially modulated nonlinearities	Opt. Lett. 35, 1716-1718	Y.J. He, D. Mihalache, B.B. Hu	2010	3.5022	6
26.	Elliptic vortices in optical waveguides and self-attractive Bose-Einstein condensates	J. Opt. Soc. Am. B 27, 757-762	F. W. Ye, L.W. Dong, B.A. Malomed, D. Mihalache, B.B. Hu	2010	2.212	3
27.	Subwavelength Plasmonic Lattice Solitons in Arrays of Metallic Nanowires	Phys. Rev. Lett. 104, 106802	F.W. Ye, D. Mihalache, B.B. Hu, N.C. Panoiu	2010	7.9862	15
28.	Vortices and ring dark solitons in nonlinear amplifying waveguides	Phys. Rev. A 81, 023836	J. F. Zhang, L. Wu, L. Li, D. Mihalache, B.A., Malomed	2010	3.0898	1
29.	Microscopic cold fission yields of ^{252}Cf	PHYSICAL REVIEW C volumul 81, pagina 044317	M. Mirea, D. S. Delion, A. Sandulescu	2010	0.94	10
30.	Plasmons and diffraction of an electromagnetic plane wave by a metallic sphere	Progr. Electrom. Res. (PIER) 98 97	M Apostol and G Vaman	2010	1.75	0
31.	Electromagnetic eigenmodes in matter. Van der Waals-London and Casimir forces	Progr. Electrom. Res. (PIERB) B19 115	M Apostol and M Nedelcu	2010	1.85	0

32.	Pulsed thermoelectricity	J. Appl. Phys. 108 023702	M Apostol and M Ganciu	2010	1.6	0
33.	Perturbative Gravity in the Causal Approach	Classical Quant. Gravity 27, 015013	D. R. Grigore	2010	2.181	0
34.	The Interaction of Quantum Gravity with Matter	Classical Quant. Gravity 27, 225004	D. R. Grigore	2010	2.181	0
35.	Riemann surface approach to bound and resonant states for a nonlocal potential	J. Math. Phys., 51, 122106	Cornelia Grama, N. Grama, and I. Zamfirescu	2010	0.83164	0
36.	Individual and collective properties of fermions in nuclear and atomic cluster systems	Journal of Physics G: Nuclear and Particle Physics, 37 085101	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2010	1	0
37.	Isotope effect and bond-stretching phonon anomaly in high-Tc cuprates	Eur. Phys. J. B, 73, 509	Cojocaru S., Citro R., Marinaro M.	2010	1.273	1
38.	On the mapping connecting the cylindrical nonlinear von Neumann equation with the standard von Neumann equation	Journal of Plasma Physics	Renato Fedele, SergioDeNicola, Dusan Yovanovici, Dan Grecu and Anca Visinescu	2010	0.300	4
39.	Hidden conformal symmetries and quantum-gravitational anomalies	European Physics Letters vol. 90, 41002 (4 pages)	M. Visinescu	2010	2.99656	0
40.	Hidden Symmetries and Killing Tensors on Curved Spaces	Yadernaia Fizika, Elementarnaia ciastity I polia / Elementary Particles and Fields Theory, vol. 73 no. 11, pp. 1924-1930	M. Visinescu, G.E. Vilcu	2010	0.23835	2
41.	Scission neutrons and other scission properties as function of mass asymmetry in $^{235}\text{U}(n_{th}, f)$	Physical Review C, vol.82, art.nr. 014617	N.Carjan, M.Rizea	2010	1.24767	1
42.	Exponential fitting method for the time-dependent Schrödinger equation	Journal of Mathematical Chemistry, vol.48, p.55-65	M.Rizea	2010	1.21408	4
43.	Stochastic simulations for the time evolution of systems which obey generalized statistics: fractional exclusion statistics and Gentile's statistics	J. Stat. Mech. P09011	G. A. Nemnes, D. V. Anghel	2010	2.83865	0
44.	Comment on "Statistical Distribution for Generalized Ideal Gas of Fractional-Statistics Particles", Phys. Rev. Lett. 73, 922	Phys. Rev. Lett. 104, 198901	D. V. Anghel	2010	8.33418	0

	(1994)					
45.	An ansatz for the exclusion statistics parameters in macroscopic physical systems described by fractional exclusion statistics	EPL 90, 10006	D. V. Anghel	2010	3.37975	0
46.	Time evolution of entanglement in open quantum systems	Journal of Optoelectronics and Advanced Materials 12 68-73	A. Isar	2010	0.329	0
47.	Continuous variable entanglement in open quantum dynamics	Physica Scripta T140 014023 (5p)	A. Isar	2010	0.337	0
48.	Dynamics of quantum entanglement in Gaussian open systems	Physica Scripta 82 038116 (5p)	A. Isar	2010	0.337	2
49.	Entanglement and mixedness in open systems with continuous variables	Journal of Russian Laser Research 31 182-190	A. Isar	2010	0.147	4
50.	Generation and evolution of entanglement in open quantum dynamics	Optics and Spectroscopy 108 213-219	A. Isar	2010	0.142	0
51.	On the geometry of Siegel-Jacobi domains,	Int. J. Geom. Methods Mod. Phys. V8 N8 1783-1798;	S.Berceanu, A Gheorghe	2011	0.6214	0
52.	Subwavelength ollabor plasmonic lattice solitons	Opt. Lett. 36, 1179-1181	F. W. Ye, D. Mihalache, B.B. Hu, N.C. Panoiu	2011	3.5022	3
53.	Exact soliton solutions and their stability control in the nonlinear Schrodinger equation with spatiotemporally modulated nonlinearity	Phys. Rev. E 83, 016602	Q. Tian, J.F. Zhang, B. A. Malomed, D. Mihalache, D W.M. Liu,	2011	1.4158	4
54.	From Massive Gravity to Modifies General Relativity II	General Relativity and Gravitation 43, 1323	D. R. Grigore, G. Scharf	2011	1.697	0
55.	Universality of heat and entropy transport in 1D channels at arbitrary temperatures	EPL 94, 60004	D. V. Anghel,	2011	3.37975	0
56.	Continuous variable entanglement in two-mode open quantum systems	Optics and Spectroscopy 111 558-564	A. Isar	2011	0.142	0
57.	Entanglement in two-mode continuous variable open quantum systems	Physica Scripta T143, 014012	A. Isar	2011	0.337	0
58.	Quantum entanglement and quantum discord of two-mode Gaussian	Open Systems and Information Dynamics 18 175-190	A. Isar	2011	0.473	0

	states in a thermal environment					
59.	Deviation from the Bloch law in a nanoscale Heisenberg ferromagnet	Philosophical Magazine, 91, 4053	Cojocaru S	2011	4.220	0
60.	Temperature dependence of magnetization of a nanosize Heisenberg ferromagnet	Optoelectronics And Advanced Materials – Rapid Communications, 5, 1196	Cojocaru S	2011	0.227	0
61.	Magnon gas and deviation from the Bloch law in a nanoscale ferromagnet	Solid State Communications 151, 1780	Cojocaru S	2011	1.403	0
62.	Coherent polarization driven by external electromagnetic fields	Phys. Lett. A374 4848	M Apostol and M Ganciu	2011	1.85	0
63.	Polaritonic pulse and coherent X- and gamma rays from Compton (Thomson) backscattering	J. Appl. Phys. 109 013307	M Apostol and M Ganciu	2011	1.1	0
64.	Single universal curve for cluster radioactivities and alpha decay	Physical Review C 83 014601	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2011	1.24767	6
65.	Computational study of scission neutrons in low-energy fission: stationary and time-dependent approaches	Communications in Computational Physics, vol.9, p.917-936	M.Rizea, N.Carjan	2011	1.21839	1
66.	Structure and α -decay properties of the heaviest nuclei	Atomic Data and Nuclear Data Tables, DOI: 10.1016/j.adt.2011.12.007	I. Silisteanu, and A. I. Budaca	2012	2.099	0
67.	Fractional exclusion statistics applied to relativistic nuclear matter	Physica A, 2313	D. V. Anghel, A. S. Parvan, A. S. Khvorostukhin	2012	1.38481	0
68.	Dynamics of electron-positron pairs in a vacuum polarized by an external radiation field	J. Mod. Optics. 57 611	M Apostol	2012	1.07467	0
69.	Entanglement and discord in two-mode Gaussian open quantum systems	Physica Scripta T148 (6 p)	A. Isar	2012	0.337	0
70.	Diffusion depending on linear momentum for continuum states	International Journal of Modern Physics B 26 1250005 (12 p)	W. Scheid, A. Isar, A. Sandulescu	2012	0.334	0
71.	Magic Pairs and Structural Transitions in	ChemPhysChem 13	L. C. Cune	2012	3.453	0

	Binary Metallic Clusters					
72.	Simple relationships for alpha-decay half-lives	Journal of Physics G: Nuclear and Particle Physics, 39 015105	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2012	1	0
73.	Competition of alpha decay and heavy particle decay in superheavy nuclei	International Journal of Modern Physics B 26 1250005 (12 p)	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2012	0.26099	0
74.	Classical interaction of the electromagnetic radiation with two-level polarizable matter	Optik 123 193	M Apostol	2012	0.38586	0
PN 09 37 01 03						
1.	Beyond mean field approach to the beta decay of medium mass nuclei relevant for nuclear astrophysics	Prog. Part. Nucl. Phys., 66, 287	A. Petrovici , K. W. Schmid, and A. Faessler,	2011	2.598	0
2.	LIGHT CLUSTERS EMISSION IN NUCLEAR REACTIONS AT 25 MeV/NUCLEON WITH DIFFERENT N/Z OF ENTRANCE CHANNELS	INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 20, pp 1066-1069	Lombardo, L, Agodi, Alba, R, Amorini, Anzalone, Auditore, Berceanu I Cardella, Cavallaro, Chatterjee, Defilippo, Dipietro, Figuera, Geraci, E, Giuliani, Grassi, Grzeszczuk, Han, J, La Guidara, E, Lanzalone, G, Le Neindre, N, Loria, D, Maiolino, Pagano, Papa, M, Pirrone, Politi, Pop, A et al	2011	0.261	0
3.	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC	Eur.Phys.J.C 71(6): 1655	ALICE Collaboration	2011	1.304	0
4.	Higher harmonic anisotropic flow measurements of charged particles in Pb-Pb collisions at 2.76 TeV,	Phys. Rev. Lett. 107, 032301	ALICE Collaboration	2011	7.986	1
5.	Rapidity and transverse momentum dependence of inclusive J/psi	Phys.Lett. B704, 442-455	ALICE Collaboration	2011	3.624	0

	production in pp collisions at $\sqrt{s}=7$ TeV					
6.	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC	Eur. Phys. J. C 71 (3), 1594	ALICE Collaboration	2011	1.304	3
7.	Two-pion Bose-Einstein correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV, Phys.Lett.B 696 (4): 328-337	Phys.Lett.B 696 (4): 328-337	ALICE Collaboration	2011	3.624	4
8.	Centrality dependence of the charged-particle multiplicity density at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Phys. Rev. Lett. 106, 032301	ALICE Collaboration	2011	7.986	17
9.	Suppression of Charged Particle Production at Large Transverse Momentum in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Phys. Lett. B 696 30-39	ALICE Collaboration	2011	3.624	28
10	Neutron-proton elliptic flow difference as a probe for the high density dependence of the symmetry energy	Physics Letters B700 139-144	M.D. Cozma	2011	3.624	0
11.	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	In Press Corrected Proof Available online 7 October 2010	I. Deppner, N. Herrmann, D. Gonzalez-Diaz, V. Ammosov, J. Cheng, M. Ciobanu, V. Gapienko, K.D. Hildenbrand, A. Kiseleva, M. Kis, D. Kresan, R. Kotte, C. Huangshan, Y. Leifels, J. Fruehauf, C. Li, Y. Li, P.-A. Loizeau, L. Naumann, M. Petrovici, M. Petris, A. Semak, V. Simion et al	2011	1.023	0
12.	Isospin Aspects in Nuclear Reactions Involving Ca Beams at 25 MeV/nucleon	Physics of Atomic Nuclei 2011, vol. 74, no. 11, pp 1562-1566	Lombardo, L, Agodi, Alba, R, Amorini, Anzalone, Auditore,	2011	0.563	0

			Berceanu I. et al			
13.	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	In Press, Corrected Proof, Available online 28 October 2010	M. Petris, M. Petrovici, V. Simion, D. Bartos, G. Caragheorghopol, I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams, Toward a high granularity and high counting rate, differential readout timing MRPC	2011	1.023	0
14.	Heavy-Particle Radioactivity of Superheavy Nuclei	Physical Review Letters 107 062503	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2011	7.98625	0
15.	Isospin dependence of physical observables in Incomplete Fusion reactions at 25 MeV/nucleon	Nuclear Physics A 834 , 458c–460c	I.Lombardo, C.Agodi , R.Alba , F.Amorini A.Anzalone , I.Berceanu , G.Cardella , S.Cavallaroa , M.B.Chatterjee , R.Coniglione , E.DeFilippo , A.DiPietro, P.Figuera, E.Geracia, G.Giuliani, L.Grassi , A.Grzeszczuk , E.LaGuidara , G.Lanzalone , N.LeNeindre , C.Maiolino , A.Pagano , M.Papa , S.Pirrone, G.Politi , A.Pop et al	2010	1.093	0
16.	Strong enhancement of dynamical emission of heavy fragments in the neutron-rich $^{124}\text{Sn} + ^{64}\text{Ni}$ reaction at 35 A MeV	PHYSICAL REVIEW C 81, 064605	P. Rusotto, E. De Filippo, A. Pagano, E. Piasecki, F. Amorini, A. Anzalone, L. Auditore, V. Baran, I. Berceanu, J. Blicharska, B. Borderie, R.	2010	1.248	0

			<p>Bougault, M. Bruno, J. Brzychczyk, G. Cardella, S. Cavallaro, M. B. Chatterjee, A. Chbihi, M. Colonna, M. D'Agostino, R. Dayras, M. Di Toro, J. Frankland, E. Galichet, W. Gawlikowicz, E. Geraci, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzan`o, N. Le Neindre, C. Maiolino, Z. Majka, M. Papa, M. Petrovici et al</p>			
17.	Measurement of the In-Medium K ⁰ Inclusive Cross Section in pi-Induced. Reactions at 1.15 GeV/c	Phys. Rev. Lett. 102 , 2501	<p>M. L. Benabderrahmane, N. Herrmann, K. Wisniewski, J. Kecskemeti, A.Andronic, V. Barret, Z. Basrak, N. Bastid, P. Buehler, M. Cargnelli, R.Caplar, E. Cordier, I. Deppner, P. Crochet, P. Dupieux, M. Dzelalija, L.Fabbietti, Z. Fodor, P. Gasik, I. Gasparic, Y. Grishkin, O. N. Hartmann,K. D. Hildenbrand, B. Hong, T. I. Kang, P. Kienle, M. Kirejczyk, Y. J.Kim, M. Kis, P. Koczon, M. Korolija, R. Kotte, A. Lebedev, Y.</p>	2009	7.986	0

			Leifels,X. Lopez, V. Manko, J. Marton, A. Mangiarotti, M. Merschmeyer, T.Matulewicz, M. Petrovici et al			
18.	Dynamical signals in fragmentation reactions: time scale determination from three fragments correlations by using the 4 pi CHIMERA multidetector	Acta Physica Polonica B Volume: 40, ssue: 4 Pages: 1199-1207	De Filippo E, Amorini F, Anzalone A, Auditore L, Baran V, Berceanu I, Blicharska J, Borderie B, Bougault R, Bruno M, Brzychczyk J, Cardella G, Cavallaro S, Chaterjee MB, Chbihi A, Colonna M, DAgostino M , Dayras R , Di Toro M, Emanuele U , Frankland J , Galichet E, Gawlikowicz W , Geraci E , Giustolisi F, Grassi, Grzeszczuk A , Guazzoni P, Guinet D , Kowalski S, La Guidara E, Lanzalone G , Lanzano G , Le Neindre N , Lombardo I , Maiolino C , Majka Z, Pagano A, Papa M, Petrovici M , Piasecki E, Pirrone S , Planeta R , Politi G, Pop A et al	2009	0.557	3
19	Structure of A = 82 analogs and isospin-symmetry-breaking effects on superallowed Fermi beta decay	Physical Review C 78, 064311	A. Petrovici , K.W. Schmid, O. Radu and Amand Faessler	2009	1.248	0
PN 09 37 01 04						
1	Faraday waves in high-	Physica A 389, 4663-4667, 2010	A.I. Nicolin, M.C.	2010	1.19588	7

	density cigar-shaped Bose-Einstein condensates		Raportaru			
2	Faraday waves in binary nonmiscible Bose-Einstein condensates	Physical Review A, Vol. 85, 023613-1-12, 2012	A. Balaz, A.I. Nicolin	2012	3.0571	1
PN 09 37 01 05						
1.	Influence of crystal-orientation effects on pulse-shape-based identification of heavy-ions stopped in silicon detectors.	Nucl. Instrum. Meth. A 605, 353	F Negoita et al	2009	1.02286	4
2.	Observation of narrow states in nuclei beyond the proton drip line: ^{15}F and ^{16}Ne .	Phys.Rev. C79, 061301	M Stanoiu et al	2009	1.24767	9
3.	Low-energy Coulomb excitation of neutron-rich zinc isotopes.	Phys.Rev.C 79, 014309	M Stanoiu et al	2009	1.24767	17
4.	RIPL – reference input parameter library for calculation of nuclear reactions and nuclear data evaluations.	Nucl. Data Sheets 110, 3107	M Avrigeanu et al	2009	2.13715	75
5.	High precision $^{89}\text{Y}(\alpha,\alpha)^{89}\text{Y}$ scattering at low energies.	Phys.Rev. C 80 Art No 045807	M Avrigeanu et al	2009	1.24767	11
6.	Role of cross-shell excitations in the reaction $^{54}\text{Fe}(d,p)^{55}\text{Fe}$.	Eur. Phys. J. A40, 35	D Bucurescu et al	2009	1.10519	0
7.	Exploring the performance of the spectrometer PRISMA in heavy Zirconium and Xenon mass regions .	Acta Phys. Pol. B40, 489	N Marginean et al	2009	0.55670	0
8.	Coherent contributions to isospin mixing in the mirror pair ^{67}As and ^{67}Se .	Phys. Rev. Lett. 103, 052501	N Marginean et al	2009	7.98625	5
9.	High spin level structure in ^{94}Mo , ^{95}Mo .	Phys. Rev. C 79, 044316	N Marginean et al	2009	1.24767	5
10.	Magnetic dipole sequences in ^{83}Rb .	Phys. Rev. C80, 044305	N Marginean et al	2009	1.24767	0
11.	Energy spectra of elemental groups of cosmic rays: Update on the KASCADE unfolding analysis	Astroparticle Physics, vol 31, Pag 86-91	I Brancus et al	2009	1.70120	15
12.	Structure of ^{55}Ti from relativistic one-neutron knockout.	Phys. Lett. B675(2009)22	M Stanoiu et al	2009	3.62428	7

13.	High-resolution study of 0^+ states in ^{170}Yb .	Phys.Rev. C 80, 044333	D Bucurescu	2009	1.24767	2
14.	Side feeding patterns and nuclear lifetime determinations by the Doppler shift attenuation method in (α, n γ) reactions	PHYSICAL REVIEW C Vol 81 Iss 3 Article Number 034314	C Mihai et al	2009	1.24767	2
15.	Transition probabilities in the X(5) candidate Ba-122	Physical Review C Volume: 82 Issue: 5 Article Number: 054311	N Marginean et al	2010	1.24767	0
16.	g factors of coexisting isomeric states in Pb-188	Physical Review C Volume: 81 Issue: 2 Article Number: 024323	M Ionescu-Bujor et al	2010	1.24767	1
17.	New high-spin isomer and quasiparticle-vibration coupling in Ir-187	Physical Review C Volume: 81 Issue: 5 Article Number: 054304	N Marginean et al	2010	1.24767	1
18.	γ -ray spectroscopy of neutron-rich S-40	Physical Review C Volume: 81 Issue: 5 Article Number: 054305	N Marginean et al	2010	1.24767	5
19.	Intruder negative-parity states of neutron-rich Si-33	Physical Review C Volume: 81 Issue: 6 Article Number: 064301	N Marginean et al	2010	1.24767	6
20.	Spectroscopy of neutron-rich Dy-168, Dy-170: Yrast band evolution close to the NpNn valence maximum	Physical Review C Volume: 81 Issue: 3 Article Number: 034310	N Marginean et al	2010	1.24767	3
21.	Gamma-ray production in the Er-170(p,n)Tm-170 nuclear reaction	Central European Journal Of Physics Volume: 8 Issue: 4 Pages: 596-603	G Cata-Danil et al	2010	0.48339	0
22.	Measurement of the Sr-90 absolute activity using the autocorrelation single-crystal scintillation method	Journal of Radioanalytical And Nuclear Chemistry Vol: 284 Iss 1 Pag 221-224	G Cata-Danil et al	2010	0.52000	0
23.	SOBP forming for carbon therapy	Central European Journal Of Physics Volume: 8 Issue: 4 Pages: 683-688	G Cata-Danil et al	2010	0.49339	1
24.	The KASCADE-Grande experiment	Nuclear Instruments & Methods In Physics Research A Volume: 620 Issue: 2-3 Pages: 202-216	I Brancus et al	2010	1.02286	15
25.	Measuring the radio emission of cosmic ray air showers with LOPES	Nuclear Instruments & Methods In Physics Research A Volume: 617 Issue: 1-3 Pages: 515-516	I Brancus et al	2010	1.02286	2
26.	Lateral distribution of the radio signal in extensive air showers measured with LOPES	Astroparticle Physics Volume: 32 Issue: 6 Pages: 294-303	I Brancus et al	2010	1.70120	13
27.	Low-lying isomeric	Physical Review C Volume: 81	M Stanoiu et al	2010	1.24767	17

	levels in Cu-75	Issue: 3 Article Number: 034304				
28.	The gamma efficiency of the GAINS spectrometer	Nuclear Instruments & Methods In Physics Research Section A	D Deleanu, C Borcea et al	2010	1.02286	4
29.	A time projection chamber for the three-dimensional reconstruction of two-proton radioactivity events	Nuclear Instruments & Methods In Physics Research Section A Volume: 613 Issue: 1 Pages: 65-78	C Borcea et al	2010	1.02286	6
30.	Scattering from generalized Cantor fractals	Journal of Applied Crystallography, 43, 790-797	EM Anitas et al	2010	5.11170	2
31.	The Prominent Role of the Heaviest Fragment In Multifragmentation And Phase Transition for Hot Nuclei	International Journal of Modern Physics E-Nuclear Physics Volume: 19 Issue: 8-9, Pages: 1523-1533	AdR Raduta et al	2010	0.26099	0
32.	Statistical description of complex nuclear phases in supernovae and proto-neutron stars	Phys. Rev. C 82, 065801	AdR Raduta et al	2010	1.24767	5
33.	New Scalings in Nuclear Fragmentation	Physical Review Letters Volume: 105 Issue: 14 Article Number: 142701	AdR Raduta et al	2010	7.98625	2
34.	Multifragmentation and phase transition for hot nuclei: recent progress	Nuclear Physics A Volume: 834 Issue: 1-4 Pages: 535C-539C	AdR Raduta et al	2010	1.09321	0
35.	Human fossil bones from the Muierii Cave and the Cioclovina Cave, Romania	Anthropologie Volume: 114 Issue: 3 Pages: 341-353	A Olariu et al	2010	0.62850	3
36.	Nuclear threshold effects and neutron strength functions	Physics of Particles and Nuclei Volume: 41 Issue: 4 Pages: 574-589	H Comisel, C Hategan et al	2010	0.29639	0
37.	Enhanced confinement in electron cyclotron resonance ion source plasma	Review of Scientific Instruments Volume: 81 Issue: 2 Article Number: 02A330	L Scachter et al	2010	1.69305	0
38.	Metal-dielectric structures for high power electron cyclotron resonance ion source	Review of Scientific Instruments Volume: 81 Issue: 2 Article Number: 02A326	L Scachter et al	2010	1.69305	1
39.	Spin-alignment and g-factor measurement of the I-pi=12(+) isomer in Pb-192 produced in the relativistic-energy fragmentation of a U-238 beam	European Physical Journal A Volume: 45 Issue: 2 Pages: 153-158	M.Ionescu Bujor et al	2010	1.10519	1
40.	g-factor measurements at RISING: The cases of	EPL Volume: 91 Issue: 4 Article Number: 42001	M.Ionescu Bujor et al	2010	2.99656	2

	Sn-127 and Sn-128					
41.	Study of transfer of minor elements during ironmaking by neutron activation analysis	Radiochimica Acta Volume: 98 Issue: 1 Pages: 53-57	A Ene, A Pantelica	2010	1.13143	2
42.	Gamma and electron spectroscopy of transfermium isotopes at Dubna: Results and plans	Pramana-Journal of Physics Volume: 75 Issue: 1 Pages: 3-12	D Pantelica et al	2010	0.45361	1
43.	Study of the structural modifications induced by He implantation in cubic zirconia	Nuclear Instruments & Methods In Physics Research Section B Volume: 268 Issue: 19 Pages: 2984-2986	G Velisa et al	2010	0.95429	1
44.	Study of collisions of the radioactive Ne-24 beam at 7.9 MeV/u on Pb-208	European Physical Journal A Volume: 45 Issue: 3 Pages: 287-292	M Stanoiu et al	2010	1.10519	3
45.	Ultra Low Radiation Background LSC Measurements in a Salt Mine: a Feasibility Study	Journal of Labelled Compounds & Radiopharmaceuticals Volume: 53 Issue: 5-6 Pages: 307-311	B Mitrica et al	2010	0.46985	0
46.	Stability Study For A Large Cavern In Salt Rock From Slanic Prahova	Acta Physica Polonica B Volume: 41 Issue: 7 Pages: 1789-1802	B Mitrica et al	2010	0.55670	2
47.	Global characterisation of the GELINA facility for high-resolution neutron time-of-flight measurements by Monte Carlo simulations	Nuclear Instruments & Methods In Physics Research Section A Volume: 618 Issue: 1-3 Pages: 54-68	D Ene, C Borcea et al	2010	1.02286	5
48.	Scattering of F-17 nuclei from a Ni-58 target at energies around the Coulomb barrier	NUCLEAR PHYSICS A Volume: 834 Issue: 1-4 Pages: 488C-490C	T Glodariu et al	2010	1.09321	3
49.	Probing the potential and reaction coupling effects of Li-6, Li-7+Si-28 at sub- and near-barrier energies with elastic backscattering	Physical Review C Volume: 82 Issue: 4 Article Number: 04460	T Glodariu et al	2010	1.24767	3
50.	EURISOL-DS multi-MW target unit: Neutronics performance and shielding assessment, dose rate and material activation calculations for the MAFF configuration	Radiation Measurements, Volume 45, Issue 10 Pages 1350-1354	F Negoita et al	2010	1.27714	0
51.	In-beam measurements of sub-nanosecond	EUROPEAN PHYSICAL JOURNAL A Volume: 46 Issue: 3 Pages:	N Marginean et al	2010	1.10519	3

	nuclear lifetimes with a mixed array of HPGe and LaBr ₃ :Ce detectors	329-336				
52.	Spectroscopy of ³⁹ Si and the border of the N=28 island of inversion	Phys.Lett. B 703, 417	A Buta et al	2011	3.62428	1
53.	Direct Observation of Two Protons in the Decay of (⁵⁴ Zn)	Phys Rev Lett 107, 102502	R Borcea et al	2011	7.98625	3
54.	Production of neutron-rich nuclei in fragmentation reactions of ¹³² Sn projectiles at relativistic energies	Physics Letters B 703 2011, 552-556	M Stanoiu et al	2011	3.62428	0
55.	Collectivity in ⁴¹ S	Phys Rev C Vol 83 Iss 6 Article Number: 061304	N Marginean et al	2011	1.24767	0
56.	In-beam fast-timing measurements in (^{103,105,107} Cd)	Phys Rev C Vol 84 Iss 1 Art No 014324	N Marginean et al	2011	1.24767	0
57.	Interplay between single-particle and collective excitations in argon isotopes populated by transfer reactions	Phys Rev C Vol 84 Iss 1 Art No 014325	N Marginean et al	2011	1.24767	3
58.	Lifetime measurements by the Doppler-shift attenuation method in the (¹¹⁵ Sn(alpha,n gamma)(¹¹⁸ Te) reaction	Phys Rev C Vol 83 Iss 5 Art No 054310	C Mihai et al	2011	1.24767	1
59.	Single and pair neutron transfers at sub-barrier energies	Phys Rev C Vol 84 Iss 3 Art No 034603	N Marginean et al	2011	1.24767	4
60.	Structure of (⁴⁶ Ti) at low excitation energy	Phys Rev C Vol 84 Iss 2 Art No 024315	N Marginean et al	2011	1.24767	0
61.	Spin, quadrupole moment, and deformation of the magnetic-rotational band head in (¹⁹³ Pb)	Phys Rev C Vol 83 Iss 1 Art No 014304	M Ionescu-Bujor et al	2011	1.24767	0
62.	Beta-decay measurements for N > 40 Mn nuclei and inference of collectivity for neutron-rich Fe isotopes	Phys Rev C Volume: 83 054312	F Negoita et al	2011	1.24767	3
63.	Structure of (²³ Al) from the one-proton breakup reaction and astrophysical implications	Phys Rev C 84 015803	A Banu et al	2011	1.24767	1
64.	EURISOL	Nucl Technology 175 445-449	F Negoita et al	2011	1.143	0

	multimegawatt target unit-MAFF configuration: dosimetry and activation studies					
65.	Electromagnetic properties of vibrational bands in $(170)\text{Er}$	Eur Phys J A Vol 47 Iss 2 Page: 25	N Marginean et al	2011	1.10519	1
66.	Interaction position resolution simulations and in-beam measurements of the AGATA HPGe detectors	Nucl Instrum & Meth A Vol 638 Pag 96-109	D Bucurescu et al	2011	1.02286	3
67.	A concept for the modernization of a SANS instrument at the IBR-2M pulsed reactor	Nucl Instrum & Meth A Vol 634 Pag S161-S164	RV Erhan et al	2011	1.02286	0
68.	Lifetime measurement in the $N = Z$ nucleus $(44)\text{Ti}$	Acta Phys Pol B Vol 42 Iss 3-4 Pag 825-828	N Marginean et al	2011	0.55670	1
69.	Lifetime ollaborati of $2(1)(+)$ state in $(74)\text{Zn}$ with differential PLUNGER technique	Acta Phys Pol B Vol 42 Iss 3-4 Pag 537-540	C Mihai et al	2011	0.55670	0
70.	Two-proton radioactivity as a tool of nuclear structure studies	Acta Phys Pol B 42 545-553	C Borcea et al	2011	0.55670	2
71.	Shells and Shapes in the $(44)\text{S}$ nucleus	Acta Phys Pol B 42 533-536	R Borcea et al	2011	0.55670	1
72.	Method Developing and Testing for Inelastic Scattering Measurements at the GELINA Facility	J Kor Phys Soc Vol 59 Iss 2 Pag 1581-1584 Part 3	A Negret et al	2011	0.28408	1
73.	Measurement of $(n,xn\text{ gamma})$ Reactions of Interest for the New Nuclear Reactors	J Kor Phys Soc Vol 59 Iss 2 Pag 1880-1883 Part 3	A Negret et al	2011	0.28408	0
74.	Neutron-deuteron Elastic Scattering Measurements	J of Kor Phys Soc Vol 59 Iss 2 Pag 1825-1827 Part 3	M Stanoiu et al	2011	0.28408	0
75.	Investigation of the Fission Process at IRMM	J of Kor Phys Soc Vol 59 Iss 2 Pag 1654-1659	A Negret et al	2011	0.28408	0
76.	Spectroscopy of the unbound nucleus $(18)\text{Na}$	Int J of Mod Phys E Vol 20 971-975	F Rotaru et al	2011	0.26081	0
77.	Knee-like structure in the spectrum of the heavy component of cosmic rays observed with KASCADE-Grande	Phys. Rev. Lett. 107 171104	I Brancus et al	2011	7.98625	0
78.	Investigation of the	Nucl. Instr. And Meth. A 630	I Brancus et al	2011	1.02286	1

	properties of galactic cosmic rays with the KASCADE-Grande experiment	222-225				
79.	Measurement of radio emission from extensive air showers with LOPES	Nucl. Instr. And Meth. A 630 171	I Brancus et al	2011	1.02286	0
80.	Muon Production Height Studies with the Air Shower Experiment KASCADE-Grande	Astroparticle Physics 34 476-485	I Brancus et al	2011	1.70120	1
81.	Restoring the azimuthal symmetry of lateral distributions of charged particles in the range of the KASCADE-Grande experiment	Nucl. Instr. And Meth. A 638 147-156	I Brancus et al	2011	1.02286	23
82.	Investigations of the radio signal of inclined showers with LOPES	Nucl. Instr. And Meth. A 630, 171-176	I Brancus et al	2011	1.02286	0
83.	Evidence for α -particle condensation in nuclei from the Hoyle state deexcitation	Phys. Lett. B 705, 65	AdR Raduta et al	2011	3.62428	1
84.	Cross sections for α -particle induced reactions on $^{115,116}\text{Sn}$ around the Coulomb barrier	Phys. Rev. C 83, 064609	D Filipescu et al	2011	1.24767	1
85.	Low and medium energy deuteron-induced reactions on $^{63,65}\text{Cu}$ nuclei	Phys. Rev. C 84, 014605	V Avrigeanu et al	2011	1.24767	2
86.	Analysis of α -induced reactions on ^{151}Eu below the Coulomb barrier	Phys. Rev. C 83, 017601	V Avrigeanu et al	2011	1.24767	1
87.	Secondary neutrons as the main source of ^{137}Ba -rich fission products in the bombardment of a thick U target by 1 GeV protons	Eur. Phys. J. A 47, 70	L. Stroe et al	2011	1.10519	0
88.	Reaction mechanisms and staggering in S+Ni collisions	Nucl. Phys. A 861, 47	AdR Raduta et al	2011	1.09321	3
89.	Description of current pulses induced by heavy ions in silicon detectors	Nucl. Instrum. Meth. Phys. Res. A 642, 59	M Parlog et al	2011	1.02286	0
90.	Crossections for Neutron Inelastic Scattering on ^{28}Si	J. Korean Phys. Soc. 59, 1765	A Negret et al	2011	0.28408	1

91.	On Low and Medium Energy Deuteron-induced Reactions on $^{63,65}\text{Cu}$	J. Korean Phys. Soc. 59, 1928	M Avrigeanu, V Avrigeanu et al	2011	0.28408	0
92.	Analysis of Deuteron Breakup and Induced Activation on Medium Nuclei	J. Korean Phys. Soc. 59 903	M Stanoiu et al	2011	0.28408	1
93.	Neutron Inelastic Cross Section Measurements for Sodium	J. Korean Phys. Soc. 59, 1660	M Stanoiu et al	2011	0.28408	1
94.	Key Issues for Consistent Description of Neutron-induced Reactions on Cr Isotopes	J. Korean Phys. Soc. 59, 891	V Avrigeanu, M Avrigeanu	2011	0.28408	0
95.	Modelling of magnetodipolar striction in soft magnetic elastomers	Soft Matter, 7, 8484-8487,	M Balasoiu et al	2011	5.31915	0
96.	Silicon carbide thin films as nuclear ceramic grown by laser ablation	Journal of Nuclear Materials 416, 18-21	D Pantelica et al	2011	2.44928	0
97.	Thermal behaviour of helium-implanted spinel single crystals	Journal of Nuclear Materials 416, 216-220	D Pantelica et al	2011	2.44928	0
98.	Deterministic fractals: Extracting additional information from small-angle scattering data	Phys. Rev. E 84, 036203	EM Anitas et al	2011	1.41582	0
99.	A mobile detector for measurements of the atmospheric muon flux in underground sites	Nuclear Instruments and Methods in Physics Research A 654, 176–183	B Mitrica et al	2011	1.02286	0
100.	Particle Concentration Effects on the Ferrofluids based Elastomers Microstructure	J. of Optoelectronics and Advanced Materials – Rapid Communications, 5, 5, 523-526	M Balasoiu et al	2011	0.32990	0
101.	Revitalization of urban ecosystems through vascular plants: preliminary results from the BSEC-PDF project	Agrochimica, 55 (2) 65-84	A Pantelica et al	2011	0.21701	0
102.	Determination of $\pi\pi$ scattering lengths from measurement of $\pi^+\pi^-$ atom lifetime	Phys. Lett. B 704, p.24-29	M Pentia et al	2011	3.62428	1
103.	Coupling of the proton-hole and neutron-particle states in the neutron-rich K-48 isotope	PHYSICAL REVIEW C Volume: 84 Issue: 6 Article Number: 064301	N.Marginean et al	2011	1.24767	0

104.	AGATA-Advanced Gamma Tracking Array	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A Volume: 668 Pag 26-58	D Bucurescu et al	2012	1.02286	2
105.	Evidence for a Smooth Onset of Deformation in the Neutron-Rich Kr Isotopes	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 6 Article Number: 062701	N.Marginean et al	2012	7.98625	0
106.	Excited states of the Pm-150 odd-odd nucleus	PHYSICAL REVIEW C Volume: 85 Issue: 1 Article Number: 017304	D Bucurescu et al	2012	1.24767	0
107.	Low-spin excitations in Sm-146	EUROPEAN PHYSICAL JOURNAL A Volume: 48 Issue: 1 Article Number: 1	S. Pascu et al	2012	1.10519	0
108.	Multiple beta(-) decaying states in Re-194: Shape evolution in neutron-rich osmium isotopes	PHYSICAL REVIEW C Volume: 85 Issue: 3 Article Number: 034301	C. Mihai et al	2012	1.24767	1
109.	Probing the F-17 + p potential by elastic scattering at near-barrier energies	PHYSICAL REVIEW C Volume: 85 Issue: 2 Article Number: 024609	T Glodariu et al	2012	1.24767	0
110.	High resolution measurement of neutron inelastic scattering cross-sections for Na-23	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-Vol 672 Pages: 82-93	C Borcea, A Negret et al	2012	1.02286	0
111.	High-resolution study of Gamow-Teller transitions via the Fe54(He3, t)Co54 reaction	PHYSICAL REVIEW C Volume: 85 Issue: 2 Article Number: 024308	A Negret et al	2012	1.24767	0
112.	New states in Na-18 and Mg-19 observed in the two-proton decay of Mg-19	PHYSICAL REVIEW C Volume: 85 Issue: 4 Article Number: 044325	M Stanoiu et al	2012	1.24767	0
113.	In-beam spectroscopic studies of the S-44 nucleus	PHYSICAL REVIEW C Volume: 85 Issue: 2 Article Number: 024311	R Borcea, A Buta, et al	2012	1.24767	1
114.	Description of atmospheric conditions at Pierre Auger Observatory using Global Data Assimilation System (GDAS)	ASTROPARTICLE PHYSICS Volume: 35 Issue: 9 Pages: 591-607	Brancus I et al	2012	1.70120	0
115.	Latest results and perspectives of the KASCADE-Grande EAS Facility	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH A – Volume: 662 Pages: S150-S156	Brancus I et al	2012	1.02286	0
116.	The LOPES experiment-Recent results, status and perspectives	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH A – Volume: 662 Pages: S72-S79	Brancus I et al	2012	1.02286	0

117.	Investigations of the radio signal of inclined showers with LOPES	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH A – Volume: 662 Pages: S85-S88	A Saftoiu et al	2012	1.02286	0
118.	On noise treatment in radio measurements of cosmic ray air showers	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH A – Volume: 662 Pages: S238-S241	Brancus I et al	2012	1.02286	0
119.	Towards an understanding of staggering effects in dissipative binary collisions	NUCLEAR PHYSICS A Volume: 875 Pages: 139-159	AdR Raduta et al	2012	1.09321	0
120.	X-Ray Fluorescence from the Element with Atomic Number Z=120	PHYSICAL REVIEW LETTERS Vol 108 Iss 12 Art Number: 122701	C Ciortea et al	2012	7.98625	0
PN 09 37 01 06						
1.	Resonant wave formation in Bose-Einstein condensates	Phys. Rev. E 84 , 056202	A. Nicolin	2011	1.43	
2.	Faraday waves in high-density cigar-shaped Bose-Einstein Condensates	Physica A 389 4663-4667	A. Nicolin, M. Raportaru	2010	1.26	
3.	Shell Model Analysis of the Neutrinoless Double-Beta Decay of Ca48	Phys. Rev. C 81 , 24321	M.Horoi, S.Stoica	2010	1.37	11
4.	Prompt K0_S production in pp collisions at $\sqrt{s}=0.9$ TeV	Physics Letters B 693 , 69	LHCb collab	2010	3.62428	
5.	Measurement of the $\Lambda b \rightarrow J/\psi \Lambda 0$ production cross section in pp collisions at 7 TeV	CERN-LHCb-ANA-2011-106	..., B. Popovici ,... LHCb-collab	2011	3.62428	
6.	A new approximation for the quantum square well problem	Optoelectronics and Advanced Materials – Rapid Comm.(acceptat)	V. Barsan, R. Dragomir	2012		
7.	Faraday waves in Bose-Einstein condensates	Proc. Rom. Acad. Series A, vol 12 , p. 209	Al. Nicolin , M.C. Raportaru	2011		
PN 09 37 02 01						
1.	On within sample homogeneity testing using gamma-ray spectrometry	Applied Radiation and Isotopes, publicat online, doi:10.1016/j.apradiso.2012.02.087	R. Suvaila, E. Stancu, O. Sima	2012	1.11859	0
2.	Spectroscopic evaluation of painted layer structural changes induced by gamma radiation in experimental models	Radiation Physics and Chemistry, Vol. 81, No. 2, P. 160–167	M. M. Manea, I. V. Moise, M. Virgolici, C. D. Negut, O.-H. Barbu, M..Cutrubinis, V. Fugaru, I.R.Stanculescu,	2012	1.02489	0

			C. C. Ponta			
PN 09 37 02 03						
1.	Consideration referring to materials types able to be used in gas-cooled fast reactors	Jurnalul de Optoelectronica si Materiale Avansate JOAM Vol.12, No.12, December 2010, p.2442-2448	L. Radulescu, M. Pavelescu, S. Bercea, F. Scarlat	2010	0.33089	0
2.	Practitioners Education on Medical Exposure Justification	Radiation Protection Dosimetry, Vol. 147, No. 1–2, pp. 346–348	Avadanei C., Rosca G., Stanescu G.	2011	0.88141	0
PN 09 37 02 04						
1.	ELEMENTAL ANALYSIS THROUGH X-RAY TECHNIQUES APPLIED IN ARCHAEOLOGICAL GOLD AUTHENTICATION – THE CASE OF TRANSYLVANIAN GOLD AND OF THE DACIAN BRACELETS	<i>Spectrochimica Acta Part B: Atomic Spectroscopy</i> 64(11) (2009) pp. 1198-1203	B. Constantinescu, R. Bugoi, V. Cojocaru, R. Simon, D. Grambole, F. Munnik, and E. Oberländer-Târnoveanu	2009	1.45908	0
2.	MICRO-ELEMENTAL ANALYSIS OF SOME TRANSYLVANIAN METEORITES AND LUNAR SAMPLES	<i>Nuclear Instruments and Methods in Physics Research B</i> , vol. 267 (12-13), pp. 2233-2235, (2009)	A. Vasilescu, B. Constantinescu, R. Bugoi, D. Ceccato, D. Grambole, F. Herrmann	2009	0.97511	0
3.	Application of the INAA technique for elemental analysis of metallic biomaterials used in dentistry	APPLIED RADIATION AND ISOTOPES Volume: 67 Issue: 12 Pages: 2133-2136 Published: DEC 2009	Cincu E, Craciun L, Manea-Grigore I, et al.	2009	1.11859	0
4.	Electric quadrupole moments of 17/2(-) and 13/2(-) subsequent isomers in Po-209	PHYSICAL REVIEW C Volume: 79 Issue: 4 Article Number: 044314 Published: APR 2009	Nicolescu G, Ivanov EA, Plostinaru D	2009	1.25270	0
5.	Molecular Dynamics in Hydrated Sodium Alginate by Quasielastic and Elastic Neutron Scattering	Chemical Physics, v 365, issues 1-2 pg 30-37 (2009)	V. Tripadus, J.M. Zanotti, M. Statescu, O. Constantinescu, S. Mitra, D. Aranghel	2009	1.17519	0
6.	Micro-SR-XRF studies for archaeological gold identification – the case of Carpathian gold and Romanian museal objects	Applied Physics A 99, Issue 2(May 2010), 383-389, Synchrotron Radiation in Art and Archaeology	B. Constantinescu, A. Vasilescu, M. Radtke, U. Reinholz	2010	1.45591	0
7.	An X-ray tomograph based on a flat panel detector	Nuclear Inst. And Methods in Physics Research, A 621 (2010), pp. 685-689	F. Constantin, C. Pavel, R. Bugoi, M. Toderaş	2010	1.03953	0
8.	Measurement of sigma(pp- >b antib p) at in the forward region sqrt(s)=7 TeV	Physics Letters B Volume 694, Issue 3, 8 November 2010, Pages 209-216	LHCb ollaboration – F. Constantin	2010	3.58661	0

9.	Prompt K-S(0) production in pp collisions at root s=0.9 TeV	PHYSICS LETTERS B Volume: 693 Issue: 2 Pages: 69-80 Published: 2010	LHCb collaboration – F. Constantin	2010	3.58661	0
10.	Lateral distribution of the radio signal in extensive air showers measured with LOPES Apel WD et al.	ASTROPARTICLE PHYSICS Volume 32 Issue 6 Pages 294-303	Kascade colab M Petcu	2010	1.66144	0
11.	Measuring the radio emission of cosmic ray air showers with LOPES	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A Vol.617 Issue 1-3 Pages 515-516	Kascade colab M Petcu	2010	0.97511	0
12.	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at root s=7 TeV	Physical review letters Volume: 105 Issue: 2 Article Number: 022002 (2010)	CMS collab	2010	8.01386	0
13.	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at root s=0.9 and 2.36 TeV	Journal of high energy physics Issue: 2 Article Number: 041(2010)	CMS collab	2010	1.66545	0
14.	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC	Journal of high energy physics Issue: 9 Article Number: 091 (2010)	CMS collab	2010	1.66545	0
15.	Measurement of the charge ratio of atmospheric muons with the CMS detector	Physics letters B 692 (2010) 83-104	CMS collab	2010	3.58661	0
16.	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at root s=0.9 and 2.36 TeV at the LHC	Physical review letters Volume: 105 Issue: 3 Article Number: 032001 (2010)	CMS collab	2010	8.01386	0
17.	Commissioning of the CMS experiment and the cosmic run at four tesla	JINST 5 (2010) T03001	CMS collab	2010	2.08926	0
18.	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons	J. Instrum. 5 (2010) T03008, 45p	CMS collab	2010	2.08926	0
19.	Alignment of the CMS silicon tracker during commissioning with cosmic rays	J. Instrum. 5 (2010) T03009, 41p	CMS collab	2010	2.08926	0
20.	Aligning the CMS muon chambers with the muon alignment system	J. Instrum. 5 (2010) T03019, 35 p	CMS collab	2010	2.08926	0

	during an extended cosmic ray run					
21.	The KASCADE-Grande experiment	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A Vol.620 Issue 2-3 Pages 202-216	Kascade colab M Petcu	2010	1.03953	0
22.	Search for CP violation in $D(+) \rightarrow K(-) K(+) \pi(+)$ decays	PhysRevD.84.112008 Published: DEC 28 2011	LHCb collab	2011	1.64183	0
23.	First observation of the decay $B(\overline{s}) \rightarrow D(0)K^*(0)$ and a measurement of the ratio of branching fractions $B(B(\overline{s}) \rightarrow D(0)K^*(0))/B(B(\overline{s}) \rightarrow D(0)\rho(0))$	PHYSICS LETTERS B Volume: 706 Issue: 1 Pages: 32-39 DOI: 10.1016/j.physletb.2011.10.073 Published: NOV 30 2011	LHCb collab	2011	3.58661	0
24.	Determination of $f(s)/f(d)$ for 7 TeV pp Collisions and Measurement of the $B(0) \rightarrow D(-)K(+)$ Branching Fraction	PHYSICAL REVIEW LETTERS Volume: 107 Issue: 21 Article Number: 211801 DOI: 10.1103/PhysRevLett.107.211801 Published: NOV 14 2011	LHCb collab	2011	8.01386	0
25.	Measurements of the branching fractions for $B(s) \rightarrow D(s)\pi\pi$ and $\Lambda(0)b \rightarrow \Lambda(+)c\pi\pi$	PHYSICAL REVIEW D Volume: 84 Issue: 9 Article Number: 092001 DOI: 10.1103/PhysRevD.84.092001 Published: NOV 2 2011	LHCb collab	2011	1.64183	0
26.	Measurement of the inclusive ϕ cross-section in pp collisions at $\sqrt{s}=7$ TeV	PHYSICS LETTERS B Volume: 703 Issue: 3 Pages: 267-273 DOI:10.1016/j.physletb.2011.08.017 Published: SEP 14 2011	LHCb collab	2011	3.58661	0
27.	Measurement of $V(0)$ production ratios in pp collisions at $\sqrt{s}=0.9$ and 7 TeV	JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 034 DOI: 10.1007/JHEP08(2011)034 Published: AUG 2011	LHCb collab	2011	1.66545	0
28.	Search for the rare decays $B(s)(0) \rightarrow \mu(+)\mu(-)$ and $B(0) \rightarrow \mu(+)\mu(-)$	PHYSICS LETTERS B Volume: 699 Issue: 5 Pages: 330-340 DOI: 10.1016/j.physletb.2011.04.031 Published: MAY 23 2011	LHCb collab	2011	3.58661	0
29.	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV	EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 5 Article Number: 1645 DOI: 10.1140/epjc/s10052-011-1645-y Published: MAY 2011	LHCb collab	2011	1.29670	0
30.	First observation of $B(s)(0) \rightarrow J/\psi f(0)(980)$ decays	PHYSICS LETTERS B Volume: 698 Issue: 2 Pages: 115-122 DOI: 10.1016/j.physletb.2011.03.006 Published: APR 4 2011	LHCb collab	2011	3.58661	0
31.	First observation of $B(\overline{s})(0) \rightarrow D(s_2)^*(+)\mu(-)\nu(\overline{\nu})$ decays	PHYSICS LETTERS B Volume: 698 Issue: 1 Pages: 14-20 DOI: 10.1016/j.physletb.2011.02.039 Published: MAR 28 2011	LHCb collab	2011	3.58661	0

32.	A study on gold and copper provenance for Romanian prehistoric objects using micro-SR-XRF	Journal of Analytical Atomic Spectrometry 26 (2011) 917-921	B. Constantinescu	2011	1.69470	0
33.	Tritium measurements by AMS and applications	Journal of Radioanalytical and Nuclear Chemistry DOI 10.1007/s10967-011-0981-6 2011	Dogaru M., Calin M. A., Stan-Sion C.	2011	0.53587	0
34.	Measurement of the effective $B\text{-}S(0) \rightarrow K+K\text{-}$ lifetime	PHYSICS LETTERS B Volume: 707 Issue: 3-4 Pages: 349-356 DOI: 10.1016/j.physletb.2011.12.058 Published: FEB 1 2012	LHb collab	2012	3.58661	0
35.	Measurement of the CP violating phase $\phi(s)$ in $(B)\overline{s}(0) \rightarrow J/\psi f(0)(980)$	PHYSICS LETTERS B Volume: 707 Issue: 5 Pages: 497-505 DOI: 10.1016/j.physletb.2012.01.017 Published: FEB 7 2012	LHb collab	2012	3.58661	0
36.	Search for the rare decays $B\text{-}s(0) \rightarrow \mu(+)\mu(-)$ and $B\text{-}0 \rightarrow \mu(+)\mu(-)$	PHYSICS LETTERS B Volume: 708 Issue: 1-2 Pages: 55-67 DOI: 10.1016/j.physletb.2012.01.038 Published: FEB 14 2012	LHb collab	2012	3.58661	0
37.	Measurement of b hadron production fractions in 7 TeV pp collisions	PHYSICAL REVIEW D Volume: 85 Issue: 3 Article Number: 032008 DOI: 10.1103/PhysRevD.85.032008 Published: FEB 24 2012	LHb collab	2012	1.64183	0
38.	Measurement of b-hadron masses	PHYSICS LETTERS B Volume: 708 Issue: 3-5 Pages: 241-248 DOI: 10.1016/j.physletb.2012.01.058 Published: FEB 28 2012	LHb collab	2012	3.58661	0
39.	Search for Lepton Number Violating Decays $B^+ \rightarrow \pi(-)\mu(+)\mu(+)$ and $B^+ \rightarrow K\text{-}\mu(+)\mu(+)$	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 10 Article Number: 101601 DOI: 10.1103/PhysRevLett.108.101601 Published: MAR 7 2012	LHb collab	2012	8.01386	0
40.	Measurement of the CP-Violating Phase $\phi(s)$ in the Decay $B\text{-}s(0) \rightarrow J/\psi \phi$	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 10 Article Number: 101803 DOI: 10.1103/PhysRevLett.108.101803 Published: MAR 9 2012	LHb collab	2012	8.01386	0
41.	Evidence for CP Violation in Time-Integrated $D\text{-}0 \rightarrow h(-)h(+)$ Decay Rates	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 11 Article Number: 111602 DOI: 10.1103/PhysRevLett.108.111602 Published: MAR 12 2012	LHb collab	2012	8.01386	0
42.	First observation of the decay $B\text{-}s(0) \rightarrow K^*(0)K\overline{s}^*(0)$	PHYSICS LETTERS B Volume: 709 Issue: 1-2 Pages: 50-58 DOI: 10.1016/j.physletb.2012.02.001 Published: MAR 13 2012	LHb collab	2012	3.58661	0
43.	Measurement of the $B\text{-}s(0)\text{-}(B)\overline{s}(0)$ oscillation frequency	PHYSICS LETTERS B Volume: 709 Issue: 3 Pages: 177-184 DOI: 10.1016/j.physletb.2012.02.031	LHb collab	2012	3.58661	0

	Delta m(s) in B-s(0) -> D-s(-)(3)pi decays	Published: MAR 19 2012				
44.	Evidence for CP Violation in Time-Integrated D-0 -> h(-)h(+) decay rates (vol 108, 111602, 2012)	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 12 Article Number: 129903 DOI: 10.1103/PhysRevLett.108.129903 Published: MAR 21 2012	LHb collab	2012	8.01386	0
45.	Observation of (B)over-bar(s)(0) -> J/psi f '(2)(1525) in J/psi K(+)-K(-)Final States	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 15 Article Number: 151801 DOI: 10.1103/PhysRevLett.108.151801 Published: APR 9 2012	LHb collab	2012	8.01386	0
46.	First Observation of the Decays (B)over-bar(0) -> D+K-pi(+)-pi(-) and B- -> (DK-)-K-0 pi(+)-pi(-)	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 16 Article Number: 161801 DOI: 10.1103/PhysRevLett.108.161801 Published: APR 18 2012	LHb collab	2012	8.01386	0
47.	Differential Branching Fraction and Angular Analysis of the Decay B-0 -> K*(0)mu(+)-mu(-)	PHYSICAL REVIEW LETTERS Volume: 108 Issue: 18 Article Number: 181806 DOI: 10.1103/PhysRevLett.108.181806 Published: MAY 3 2012	LHb collab	2012	8.01386	0
48.	Search for the X(4140) state in B+ -> J/psi phi K+ decays	PHYSICAL REVIEW D Volume: 85 Issue: 9 Article Number: 091103 DOI: 10.1103/PhysRevD.85.091103 Published: MAY 4 2012	LHb collab	2012	1.64183	0
49.	Observation of J/psi-pair production in pp collisions at root s=7 TeV	PHYSICS LETTERS B Volume: 707 Issue: 1 Pages: 52-59 DOI: 10.1016/j.physletb.2011.12.015 Published: JAN 16 2012	LHCb collab	2012	3.58661	0
PN 09 37 02 05						
1.	Low dose monitoring for occupational exposure and the influence of measurement accuracy	Int.J. Low Radiation, Vol.6, No. 1, 2009	F.Mihai, A.Stochioiu, S.Bercea and I.Tudor	2009	0.689	0
2.	Low and high dose measurement by Agfa personal monitoring film and FD-III-B badge dosimeter system.	Applied Radiation and Isotopes- in press 68 (2010) , 614-616	F.Mihai, S.Bercea, A.Stochioiu, A.Celarel, E.Udrup, I.Tudor	2010	1.089	0
3.	Ultra low radiation background LSC measurements in a salt mine: a feasibility study	Journal of Labelled Compounds and Radiopharmaceuticals , 53 (5-6), 2010, 308-312	Corina Simion, Niculina Paunescu, Nicolae Mocanu, Romeo Calin, Sorin Bercea, Bogdan Mitrica	2010	0.689	0
4.	Calibration method for dosimetric films	Optoelectronics and Advanced Materials – Rapid Communications, vol. 4. No. 6 june 2010, p 871-876	A. Scarisoreanu, F. Scarlat, S. Bercea, R. Popa	2010	0.2284	0
5.	International exercise on ¹²⁴ Sb activity	Applied Radiation and Isotopes, vol. 68, issues 7-8, pag. 1207-	B. Chauvenet, M.-M. Bé, M.-N.	2010	1.089	0

	measurements	1210	Amiot, C. Bobin, M.-C. Lépy, T. Branger, I. Lanièce, <u>A. Luca</u> , <u>M. Sahagia</u> , <u>A.C. Wätjen</u> et al			
6.	International exercise on ¹²⁴ Sb photon emission intensities determination	Applied Radiation and Isotopes, vol. 68, issue 10, pag. 2026-2030	M.-M. Bé, B. Chauvenet, M.-N. Amiot, C. Bobin, M.-C. Lépy, T. Branger, I. Lanièce, <u>A. Luca</u> , <u>M. Sahagia</u> , <u>A.C. Wätjen</u> et al	2010	1.089	0
7.	Evaluation of ²³⁴ Th nuclear decay data	Applied Radiation and Isotopes, vol. 68, issues 7-8, pag. 1591-1594	A. Luca	2010	1.089	0
8.	IFIN-HH ionization chamber calibration and its validation; electrometric system improvement	Applied Radiation and Isotopes, vol. 68, issues 7-8, pag. 1266-1269	M. Sahagia, A.C. Wätjen, A. Luca, C. Ivan	2010	1.089	2 (autocitari)
9.	New IAEA actinide decay data library	Journal of the Korean Physical Society, vol. 59 (iss. 23), pag. 1455-1460	M.A. Kellett, M.-M. Bé, V. Chechev, X. Huang, F.G. Kondev, <u>A. Luca</u> , G. Mukherjee, A.L. Nichols, A. Pearce	2011	0.284	0
10.	Standardization, decay data measurements and evaluation of ⁶⁴ Cu	Applied Radiation and Isotopes, doi:10.1016/j.apradiso.2012.02.056 (sub tipar)	M.-M. Bé, P. Cassette, M.C. Lépy, M.-N. Amiot, K. Kossert, O.J. Nahle, O. Ott, C. Wanke, P. Dryak, G. Ratel, <u>M. Sahagia</u> , <u>A. Luca</u> , <u>A. Antohe</u> , L. Johansson, J. Keightley, A. Pearce	2012	1.089	0
PN 09 37 02 06						
1.	Self-radiolytical Processes in Ethyl-Phenyl Siloxanes Labelled with Tritium.	Journal of Radioanalytical and Nuclear Chemistry/ 280, No.2 (2009) 251–258	C. Postolache, L. Matei, R. Georgescu	2009	0.48811	1
2.	Synthesis of [1,2-T2]-nandrolon for RIA kits.	Journal of Radioanalytical and Nuclear Chemistry, Vol. 280, No.2 (2009) 325–328	L. Matei, C. Tanase, C. Postolache, G. Bubueanu, C. Podina	2009	0.48811	0
3.	In vivo studies with [methyl-3H]-thymidine regarding the effect of	Journal of Radioanalytical and Nuclear Chemistry, Vol. 280, No.2 (2009) 385–387	Valeria Lungu , Diana Chiper, Rodica Anghel,	2009	0.48811	0

	methyl donors cocktail in cancer therapy.		Cristian Postolache, Lidia Matei, Catalina Barna, George Bubueanu			
4.	Synthesis of N Phenylsuccinimide-T2 1,4 Diphenylbutane-T8 and 1,4 Diphenyl-2-Buthene-T6.	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 459-461	C. Postolache, Lidia Matei	2010	0.39498	0
5.	Synthesis of E275 Class Nucleoside Analogue by Isotope Exchange Technique.	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 461-463	C. Postolache, Lidia Matei, C. Tanase, George Bubueanu	2010	0.39498	0
6.	In vitro and in vivo Radiometrical Studies For Evaluation of New Nucleoside Analogue Behavior.	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 294-299	Lidia Matei, Gina Manda, Ionela Neagoe, C. Postolache, C.V. Tanase, G. Bubueanu	2010	0.39498	0
7.	Bioafinity of radiolabelled neurotensin agonist and antagonist to neurotensin receptors	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 463-465	V Lungu, D Chiper, C Barna, L Matei, M Radu, Gh Bubueanu, C Postolache	2010	0.39498	0
8.	Radiolabelling of neurotensin agonist and antagonist with 177 Lu	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 466-468	V Lungu, D Chiper, L Matei, C Barna, I Gruia, C Tuta, C Postolache, C Cimpeanu	2010	0.39498	0
9.	Rhenium-188 labelled albumin microspheres for therapy of liver tumors	Journal of Labelled Compounds and Radiopharmaceuticals, 53 , (2010), 470-471	Virginia N. Borza, Elena Neacsu, Cosmin Mustaciosu, Nicoleta Popescu, Ionel Mercioniu, Pal Albert, Anca Hurduc, Luminita Moldovan, Gheorghe P. Savi, Ileana Savi, Lidia Matei	2010	0.39498	0
10.	BNCT and Targeted Radiotherapy (TRT) Developments in Romania	Science and Technology Journal 14 , 1, (2010) 29-33	Ioana Patrascu, Iuliana Gruia, Rodica Anghel, Valeria Lungu, Florin Constantin, Viorel Fugaru, Dana Niculae, Ioan Ursu, Tiberiu Esanu	2010	0	0
11.	Investigations of direct labelling of anti-VEGF-mAb with Re-188	Journal of Radiolabelled Compounds and Radiopharmaceuticals 53 (2010)	Dana Niculae, Valeria Lungu, Marina Iliescu,	2010	0.39498	0

		275-279	Diana Savu			
12.	Labelling of anti-epidermal growth factor monoclonal antibody with ¹⁷⁷ Lu: Radiochemical and biological evaluation	Journal of Radiolabelled Compounds and Radiopharmaceuticals 53 (2010) 355-359	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Marina Iliescu	2010	0.39498	0
13.	Receptor targeted lymphoscintigraphy using dextran macromolecule derivatives labelled with ^{99m} Tc: in vivo preliminary biological evaluation	Journal of Radiolabelled Compounds and Radiopharmaceuticals 53 (2010) 398-402	Dana Niculae, Marina Iliescu, Ioana Patrascu, Cosmin Mustaciosu, Gabriela Voicu, Radu Vasilache	2010	0.39498	0
14.	Refurbishment of the Tritium Laboratory from NIPNE Romania	Fusion Science and Technology, 60 , 3 (2011), 1021-1024	Lidia Matei, Cristian Postolache	2011	0.77655	0
15.	Facility for Endurance Testing of Hydrophobic Isotope Exchange Catalysts	Fusion Science and Technology, 60 , 4 (2011), 419-1422	Lidia Matei, Cristian Postolache, Catalin Tuta, S. Brad	2011	0.77655	0
16.	Therapeutic efficacy of [¹⁷⁷ Lu] – DOTA – NT and [¹⁷⁷ Lu] – DOTA – SR48692 in HRS-1 tumor Wistar rats	Nuclear Medicine and Biology; Ms. Ref. No.: NUCMEDBIO-D-12-00002	Marieta Elena Panait, Diana Chiper, Catalina Mihaela Barna, Valentina Negoita, Catalina Cimpeanu, Valeria Lungu, Maria Iuliana Gruia	2011	1.02135	0
17.	Spectroscopic evaluation of painted layer structural changes induced by gamma radiation in experimental models	Rad Phys Chem (2011), Doi 10.1016/j.radphyschem.2011.09.015	Mihaela Manea, Ioan Moise, Marian Virgolici, Constantin Negut, Olimpia Hinamatsuri Barbu, Mihalis Cutrubinis, Viorel Fugaru, Ioana Stanculescu, Corneliu Ponta	2011	1.03011	0
PN 09 37 03 01						
1	Area Dosimetry in the Praid-Salt Mine	Radiat. Prot. Dosim., DOI: 10.1093/rpd/ncr444, published January 5,	Stochioiu A. , Sahagia M., Tudor I.	2012	0.88141	0
2	Quality assurance for measurements of the radioactivity in the area of the "Horia Hulubei" National Institute for Physics and Nuclear Engineering, IFIN-HH	J. Environ. Radioactiv., in press	Stochioiu A. et al	2012	0.78595	0

3	Mechanisms of ceftazidime and ciprofloxacin transport through porins in multidrug-resistance developed by extended-spectrum beta-lactamase E.coli strains	J. Fluoresc, 21, 4, 1421-1429	Radu B. M., Bacalum M., Marin A., Chifiriuc C.M., Lazar V., Radu M.	2011	1.27726	0
4	Computerised Decision Support Systems for the management of freshwater radioecological emergencies: assessment of the state-of-the-art with respect to the experiences and needs of end-users	J. Environ. Radioactiv., 102, 2, 119-127	Hofman D., Monte L., Boyer P., Brittain J., Donchyts G., Gallego E., Gheorghiu D. , HÅkanson L., Heling R., Kerekes A., Kocsy G., Lepicard S., Slavik O., Slavnicu D. et al	2011	0.78595	0
5	Exchange velocity approach and the role of photosynthesis for tritium transfer from atmosphere to plants	Fusion Sci. Technol., 60 (3), 1179 – 1182	Melintescu A., Galeriu A.	2011	0.83455	0
6	Research and development of environmental tritium modelling	Fusion Sci. Technol., 60 (4), 1232 – 1237	Galeriu D., Melintescu A.	2011	0.83455	0
7	Dynamic model for tritium transfer in an aquatic food chain	Radiat. Environ. Bioph., 50:459–473	Melintescu A., Galeriu D.	2011	1.16346	2
8	Measured and Modelled Tritium Concentrations in Freshwater Barnes Mussels (Elliptio complanata) Exposed to an Abrupt Increase in Ambient Tritium Levels	J. Environ. Radioactiv., 102, 26-34	Yankovich T.L., Kim S.B., Baumgaertner F., Galeriu D., Melintescu A. et al	2011	0.78595	1
9	Rain Scavenging of Tritiated Water Vapour: A Numerical Eulerian Stationary Model	J. Environ. Radioactiv., 102:43-52	Atanassov D., Galeriu D.	2011	0.78595	1
10	Advanced materials and technologies for high-pressure krypton detectors in industrial use	J. Optoelectron. Adv. M., 13, 1193-1196	Calin M.R., Calin M.A., Vlase S., Radulescu I., Simion C.A.	2011	0.33089	0
11	Investigations on the presence and distribution of Radon in the Cacica salt mine, Romania	J. Radioanal. Nucl. Ch., 288, 1, 203-206, 10.1007/s10967-010-0900-2	Calin M.R., Calin M.A.	2011	0.53587	0

12	System for air ²²² Rn activity concentration measurements based on ion-pulse ionization chamber detector	J. Radioanal. Nucl. Ch., 288, 1, 109-114, 10.1007/s10967-010-0877-x	Calin M.R. , Calin M.A.	2011	0.53587	0
13	Assessment of calibration parameters for gamma-ray spectrometry systems	J. Radioanal. Nucl. Ch., 288, 2, 547-552, 10.1007/s10967-010-0961-2	Calin M.R. et al	2011	0.53587	0
14	Hysteresis effect in a three-phase polymer matrix composite subjected to static cyclic loadings	Optoelectron. Adv. Mat., 5, 3, 273-277	Teodorescu-Draghicescu H., Vlase S., Scutaru L., Serbina L., Calin M.R.	2011	0.22840	0
15	Advanced materials and technologies for high-pressure krypton detectors in industrial use	J. Optoelectron. Adv. M., 13, 9, 1193 – 1196	Calin M.R. , Calin M.A., Vlase S., Radulescu I., Simion C.A.	2011	0.33089	0
16	Finite element method analysis of some fibre-reinforced composite laminates	Optoelectron. Adv. Mat., 5, 7, 782-785	Teodorescu-Draghicescu H., Stanciu A., Vlase S., Scutaru L., Calin M.R. , Serbina L.	2011	0.22840	0
17	Gas spherical ionization chamber	J. Radioanal Nucl. Ch., 0236-5731, 290, 2, 361-366, 10.1007/s10967-011-1373-7	Calin M.R.	2011	0.53587	0
18	Indoor radon levels and natural radioactivity in Turda salt mine, Romania	J. Radioanal Nucl. Ch., 10.1007/s10967-011-1394-2	Calin M.R. et al	2011	0.53587	0
19	Estimation of natural potassium concentration in Romanian males by <i>in vivo</i> gamma-ray spectrometry measurements	J. Radioanal. Nucl. Ch. 10.1007/s10967-011-1397-z	Saizu M.A.	2011	0.53587	0
20	Traces of radioactive (¹³¹ I) in rainwater and milk samples in Romania	Environ. Res. Lett., 6, 3, 10.1088/1748-9326/6/3/034011	Margineanu R. , Mitrica B., Apostu A. , Gomoiu C.	2011	2.89298	0
21	Behavior of multiphase fiber-reinforced polymers under short time cyclic loading	Optoelectron Adv. Mat., Vol. 5, No. 4, p. 419-423	Vlase S., Teodorescu-Draghicescu H., Motoc D.L., Scutaru M.L., Serbina L., Calin M.R.	2011	0.2284	0
22	Experimental procedures to determine the viscoelastic parameters of laminated	J. Optoelectron. Adv. M., Vol. 13, No. 9, p. 1197-1200	Katouzian M., Vlase S., Calin M.R.	2011	0.33089	0

	composites					
23	“Supranormal” Cardiac Function in Athletes Related to Better Arterial and Endothelial Function,	Echocardiogr-J Card., 27, 6, 659-667	Florescu M., Stoicescu C, Magda S., Petcu IL., Radu M. et al	2010	0.55777	2
24	Bioaffinity of radiolabelled neurotensin agonist and antagonist to neurotensin receptors,	J. Labelled Comp. Rad., 53, 463-465	Chiper D., Lungu V., Barna C., Matei L., Radu M. et al	2010	0.47236	0
25	Investigations of direct labelling of anti-VEGF-mAb with Re-188	J. Labelled Comp. Rad., 53, 275-279	Niculae D., Lungu V., Iliescu M., Savu D.	2010	0.47236	0
26	Proton μ -PIXE mapping, AFM imaging and size statistics of mineral granules in a dental composite	X-Ray Spectrom., 39, 3, 208-215	Preoteasa E.A., Preoteasa E., Harangus L. et al	2010	0.84232	0
27	Receptor targeted lymphoscintigraphy using dextran derivatives labelled with (99m)Tc: in vivo preliminary biological evaluation	J. Labelled Comp Rad., 53, 5-6, 398-402	Niculae D., Iliescu M., Patrascu I., Vasilache R., Mustaciosu C., Voicu G., Purice M.	2010	0.47236	0
28	Rhenium-188 labelled albumin microspheres for therapy of liver tumors	J. Labelled Comp Rad., 53, 5-6, 470-471	Borza V.N., Neacsu E., Mustaciosu C. et al	2010	0.47236	0
29	Low and High Dose Measurement by Agfa Personal Monitoring Film and FD-III-B Badge Dosimeter System	Appl. Radiat. Isotopes, 68, 614-616	Mihai F., Bercea S., Stochioiu A., Celarel A., Udup E.	2010	1.11859	1
30	The Hydrological Impact Assessment in the Decision Support of Nuclear Emergency Response, Radiat. Prot. Dosim.	Radiat. Prot. Dosim., 140, 2, 191-201	Vamanu D.V., Slavnicu S.D., Gheorghiu A., Acasandrei V.T., Slavnicu E.	2010	0.88141	0
31	EURISOL Desktop Assistant Toolkit (EDAT): A Modeling, Simulation and Visualization Support to the Preliminary Radiological Assessment of RIB Projects,	Eur. Phys. J. A., 44, 1, ISSN: 1434-6001 (Print) 1434-601X (Online), 10.1140/epja/i2010-10935-9, 129–146	Vamanu D.V., Vamanu B.I., Acasandrei V.T., Maceika E., Plukis A.	2010	1.10676	0
32	Evaluation of the Radon concentration in Ocna Dej salt mine, Romania	J. Radioanal. Nucl. Ch., 286, 1, 169-173, 10.1007/s10967-010-0648-8	Calin M.R., Calin M.A.	2010	0.53587	0
33	Ultra low radiation background LSC	J. Labelled Compd. Rad., 53 (5-6), 308-312	SimionC.A., Paunescu N.,	2010	0.47236	1

	measurements in a salt mine; a feasibility study		Mocanu N., Calin M.R., Bercea S., Mitrica B.			
34	Quality Assurance Programme Implemented in the Whole Body Monitoring Laboratory from IFIN-HH Romania	Radiat. Prot. Dosim., 10.1093/rpd/ncq372	Saizu M.A.	2010	0.88141	0
35	Comparative Biokinetics of Radiocarbon Ingested as compounds or Foods in Rats	Health Phys., 99(5):668-673	Takeda H., Fuma S., Miyamoto K., Yanagisawa K., Ishii N., Kawaguchi I., Melintescu A., Galeriu D.	2010	0.96633	0
36	Energy metabolism used as a tool to model the transfer of 14C and 3H in animals	Radiat. Environ. Bioph., 49:657-672	Melintescu A., Galeriu D.	2010	1.16346	1
37	Retention of tritium in reference persons: a metabolic model. Derivation of parameters and application of the model to the general public and to workers	J. Radiol. Prot., 30 (3), 445-468	Galeriu D., Melintescu A.	2010	1.31186	1
38	Tritium profiles in snowpacks	J. Environ. Radioactiv., 101:869-874	Galeriu D., Davis P., Workman W.	2010	0.78595	1
39	The use of tritium resulting from nuclear activities as environmental tracer	J. Labelled Comp Rad., 53 (5-6), 2010, 478-482	Simion C.A., Simion E., Paunescu N., Mocanu N. et al	2010	0.47236	0
40	Biokinetics of Radiocarbon Ingested as a Food in Rats	Health Phys., 96 (5), 587-593	Takeda H., Fuma S., Miyamoto K., Yanagisawa K., Ishii N., Kawaguchi I., Doi K, Melintescu A., Galeriu D.	2009	0.96633	1
41	The Dynamic transfer of 3H and 14C in mammals – a proposed generic model	Radiat. Environ. Bioph., 48:29–45	Galeriu D., Melintescu A., Beresford N.A., Takeda H., Crout N.M.J.	2009	1.16346	9
42	PIXE and PIGE assessment of in vivo elemental and physical changes of a composite from a dental filling	X-Ray Spectrom., 38, 548-556	Preoteasa E.A., Preoteasa E., Ciortea C., Marin D.D., Gurban D., Gugiu M., Scafes A.	2009	0.84232	1
43	Activity measurements of technically enhanced naturally occurring	Appl. Radiat. Isotopes, 67, 961-963	Luca A., Margineanu R., Sahagia M.,	2009	1.11859	0

	radionuclides (TENORM) in phosphogypsum		Wätjen A.C.			
44	External dose rate in Unirea salt mine, Slanic-Prahova, Romania	Appl. Radiat. Isotopes, 67, 759-761	Margineanu R.M., Apostu A.M., Dului O.G., Bercea S.	2009	1.11859	0
45	Ultra-low background measurements of decayed aerosol filters	J. Radioanal. Nucl. Ch., 282, 731-735, 3	Aalseth C., Andreotti E., Arnold D., Sanchez Cabeza J.A., Degering D., Giuliani A., de Orduña R.G., Gurriaran R., Hult M., Keillor M., Laubenstein M., Le Petit G., Margineanu R.M. et al	2009	0.53587	0
46	Epithermal neutrons activation analysis, radiochemical and radiometric investigations of evaporitic deposits of Slanic-Prahova (Romania) salt mine	Radiochim. Acta, 97, 333-337	Cristache C., Simion C.A., Margineanu R.M. et al	2009	1.16252	1
47	Stand-Alone Cosmic Muon Reconstruction Before, Installation of CMS Silicon Strip tracker	J. Instrum., 4 P05004	Saizu M.A. & CMS tracker group	2009	2.08926	0
48	Performance Studies Of The CMS Strip Tracker Before, Installation	J. Instrum, 4 P06009	Saizu M.A. & CMS tracker group	2009	2.08926	0
49	Alignment Of CMS Silicon Strip Tracker During Stand-Alone Commissioning	J. Instrum, 4 T0T001	Saizu M.A. & CMS tracker group	2009	2.08926	0
PN 09 37 03 02						
1.	ETNA software used for efficiency transfer from a point source to other geometries	Appl. Rad. Isot. 67 (2010) 1686-1690	Radu, D., Stanga, D., Sima O.	2010	1.11	0
2.	The ²²² Rn standard system established at IFIN-HH, Romania	Appl. Rad. Isot. 68 (2010) 1503-1506	Sahagia, M., Stanga, D., Wätjen, A.M.C., Luca, A., Cassette, P., Ivan, C., Antohe, A.	2010	1.11	0
3.	A new model calculation of the peak efficiency for HPGe detectors used in assay	Appl. Rad. Isot. 68 (2010) 1418-1422	Stanga, D., Radu, D., Sima, O.	2010	1.11	0

	of radioactive waste drums					
4.	A new method for determining the efficiency of large-area beta sources constructed from anodized aluminum foils	Appl. Rad. Isot. 69 (2011) 227–230	Stanga, D., Maringer, F.J., Ionescu, E.	2011	1.11	0
5.	Simulation studies of the response function of a radioactive waste assay system	Appl. Rad. Isot. 70 (2012) 305-308	Gurau, D., Sima, O.	2012	1.11	0
6.	The examination of source distribution in a large sample by Monte Carlo simulation	Appl. Rad. Isot. (2012) doi: 10.1016/j.apradiso.2012.02.075	Gurau, D., Sima O.,	2012	1.11	0
7.	A new approach in gamma ray scanning of rotating drums	Appl. Rad. Isot. (2012), doi: 10.1016/j.apradiso.2012.02.085	Stanga, D., Gurau, D.,	2012	1.11	0
8.	Epithermal neutron activation, radiometric, correlation and principal component analysis applied to the distribution of major and trace elements in some igneous and metamorphic rocks from Romania.	Applied Radiation and Isotopes 67	C.I. Cristache, O.A. Culicov, M.V. Frontasyeva, C. Ricman, M. Toma, O.G. Dului	2009	1.11859	0
9.	DETERMINATION OF TRACE ANIONS IN WATER FROM THE SPENT NUCLEAR FUEL WET STORAGE	Journal of Labelled Compound and Radiopharmaceuticals 52 , 265	E. NEACSU, C. TUTA, V. BORZA, C. MUSTATA, and C. PODINA	2009	0.47236	0

I.2. Lucrări/comunicări științifice publicate la manifestări științifice (conferințe, seminarii, worksopuri, etc):

Nr. Crt.	Titlul articolului, Manifestarea științifică, Volumul, Pagina nr.	Nume Autor	An apariție	Nr. Citări ISI
PN 09 37 01 02				
1.	“Cohomology Methods in Causal Perturbation Theory”, 7 th International Conference of the Balkan Physical Society, AIP Conference Proceedings vol. 1203, pg. 1183	D. R. Grigore	2009	0
2.	“Statistical Approach of Modulational Instability in Cylindrical/Spherical NLS Equation”, XXXVIIIth Conference on Modern Educational Methods in Physics, Rom. Rep. Phys., vol. 61(3), 467-477	A. T. Grecu, D. Grecu, Anca Visinescu	2009	0
3.	“Modulational Instability of Cylindrical and Spherical NLS Equations. Statistical Approach”, 7 th International Conference of the Balkan Physical Union, AIP Procs. CP-1203, 1239-1244	A. T. Grecu, S. de Nicola, R. Fedele, D. Grecu, Anca Visinescu	2009	0

4.	“One Component Non-Necrotic Tumor. Stationary State and Linear Stability Analysis”, 7 th International Conference of the Balkan Physical Union, AIP Procs. CP-1203, 439-444	D. Grecu, A. S. Carstea, A. T. Grecu	2009	0
5.	Special solutions of some generalized NLS equations, Proceedings of Physics Conference TIM, CP 1131, AIP 2009, pag. 36-41	Anca Visinescu, Dan Grecu, Renato Fedele, Sergio De Nicola	2009	2
6.	Solution of the two-dimensional time-dependent Schrödinger equation applied to nuclear proton decay, Int.Conf. on Numerical Analysis and Applied Mathematics, Rethymno, Greece, Sept.18-22, 2009, AIP Conference Proceedings 1168, p.1582-1585	M.Rizea, N.Carjan	2009	0
7.	Anisotropic glass-like properties in tetragonal disordered crystals, 25 th International Conference on Low Temp. Phys, Amsterdam, 2008, J. Phys.: Conf. Ser. 150, 012002 (2009)	D. V. Anghel and D. Churochkin	2009	0
8.	A new uniform asymptotic approximation of the 3D scattering wavefunction for a central potential, National Conference on Theoretical Physics NCTP 2010 – fourth edition, June 23-25, 2010, Iasi, Romania	N.Grama	2010	
9.	Bond stretching phonon softening and isotope effect in a phenomenological model for cuprate superconductors, International Conference on Magnetism 2009, p. 110, Karlsruhe, Germany, July 26 – 31, 2009, J. Phys.: Conf. Ser. Vol. 200, No 1, 012022	Cojocaru S., Citro R., Marinaro M.	2010	-
10.	Hidden Symmetries and Killing Tensors on Curved Spaces, Yerevan conference GROUP 27Yadernaia Fizika, Elementarnaie ciastity I polia / Elementary Particles and Fields Theory, vol. 73 no. 11, pp. 1924-1930 (2010)	S. Ianus, M. Visinescu, G.E. Vilcu	2010	2
11.	Alpha-decay half-lives of superheavy nuclei, Carpathian Summer School of Physics (CSSP'10), June 20 – July 3, Sinaia, Romania, AIP Proceedings 1304, 344-348.	A. I. Budaca, I. Silisteanu, A. O. Silisteanu and C. I. Anghel	2010	1
12.	Pedestrian Quantum Mechanics International workshop on high school physics: innovative teaching, hands-on science, gates to research Cheia, 12-18 July 2010 JOAM Symposia 3 (2011) 37	C.S. Acatrinei, A.T. Grecu	2011	0
13.	“Off-Shell Fields and Quantum Anomalies”, (conferinta Caciulata, 2010), Physics Annals of the University of Craiova, PAUC, vol. 21 – special issue (2011) 117-130	D. R. Grigore	2011	0
14.	“Short Laser Pulse Propagation in Nonlinear Media. From Nonlinear Schroedinger Equation to Short Pulse Equation”, 7th International School and Workshop on Quantum Field Theory & Hamiltonian Systems, Physics AUC, vol 21 Suppl, 263-273	A. T. Grecu, D. Grecu	2011	0
15.	Study of alpha-decay properties of superheavy nuclei, Nuclear Physics in Astrophysics V (NPA5), April 3-8, 2011, Eilat, Israel, Journal of	Andreea-Ioana Budaca and Ion Silisteanu	2012	0

	Physics: Conference Series 337, 012022.			
16.	Universal features in the thermodynamics and heat transport by particles of any statistics Advanced many-body and statistical methods in mesoscopic systems, June 27 -July 2, 2011, Constanta, Romania. J. Phys.: Conf. Ser. 338, 012002 (2012)	D. V. Anghel	2012	0
PN 09 37 01 03				
1.	High counting rate, differential, strip readout multi gap timing RPC, XI Workshop on Resistive Plate Chambers and Related Detectors, February, 2012, Frascati, Italy	M. Petrovici et al.	2012	0
2.	Time and position resolution for high granularity, multigap, symmetric, differential readout timing RPC, CBM Progress Report 2011, p.55	M. Petris et al.	2012	0
3.	Towards a real size RPC cell for CBM RPC-TOF, CBM Progress Report 2011, p.56	M. Petris et al.	2012	0
4.	Status of high rate glass MRPC with differential strip readout, CBM Collaboration Meeting, 25 - 30 March 2012, GSI Darmstadt, Germany	M. Petris et al.	2012	0
5.	Beyond mean-field description of exotic structure and decay of proton-rich nuclei in A~70 region, EURISOL - 2011, Valencia, Spain, Feb. (2011) (invited talk) (http://indico.ific.uv.es/indico/contributionDisplay.py?contribId=27&sessionId=9&confId=349)	A. Petrovici	2011	0
6.	Variational approach to isospin symmetry breaking in medium mass nuclei, ESNT - 2011, Saclay, April (2011) (invited talk) (http://irfu.cea.fr/Sphn/Espace_Theorie/Apr2011_isospin/talks/index.php)	A. Petrovici	2011	0
7.	Self-consistent description of shape coexistence in the A~100 Zr nuclei, International Nuclear Physics Conference INPC2010 , Vancouver, Canada 2010, J. Phys.: Conference Series, 312, 092051	A. Petrovici, K.W. Schmid, A. Faessler,	2011	0
8.	Anisotropic flow at the LHC measured with the ALICE detector ALICE Collaboration arXiv:1106.6284v2, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
9.	D meson nuclear modification factors in Pb-Pb collisions at $\sqrt{s}NN = 2.76$ TeV, measured with the ALICE detector, ALICE Collaboration, arXiv:1106.5931 [hep-ex], Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
10	Elliptic and triangular flow of identified particles at ALICE, arXiv:1107.0080v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0

11	Elliptic flow at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE experiment, ALICE Collaboration, arXiv:1107.0454v1 [nucl-ex], Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
12	Hadron Correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE, ALICE collaboration, arXiv:1107.0556v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
13	Bulk Properties of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured by ALICE, ALICE Collaboration, arXiv:1107.1973v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
14	Measurement of the electromagnetic dissociation cross section of Pb nuclei at $\sqrt{s_{NN}} = 2.76$ TeV, arXiv:1107.1985v1 Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
15	Cross section normalization in proton-proton collisions at $\sqrt{s} = 2.76$ TeV and 7 TeV, with ALICE at LHC, arXiv:1107.0692v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE Collaboration	2011	0
16	Particle Identification in the ALICE Experiment, arXiv:1107.1514v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE collaboration	2011	0
17	K0s-K0s correlations in 7 TeV pp collisions from the ALICE experiment at the LHC arXiv:1107.0084v1, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE collaboration	2011	0
18	Measurement of J/Psi production in pp collisions at $\sqrt{s} = 2.76$ and 7 TeV with ALICE ALICE Collaboration arXiv:1107.0137v2, Quark Matter 2011, May 23rd-28th 2011, Annecy, France, to be published in Journal of Physics G: Nuclear and Particle Physics	ALICE collaboration	2011	0
19	CBM-TRD Bucharest-Muenster prototypes - in-beam test results, 17th CBM Collaboration Meeting, April 4 - 8, 2011, Dresden, Germany, https://indico.gsi.de/getFile.py/access?contribId=55&sessionId=11&resId=0&materialId=slides&confId=1118	M. Petris, D. Bartos, I. Berceanu, Gh. Caragheorghopol, V. Catanescu, F. Constantin, M. Petris, V. Simion et al.	2011	0
20	High granularity, symmetric, differential	M. Petris, D. Bartos,	2011	0

	readout timing MRPC - in beam test results, CERN November 2010, 17th CBM Collaboration Meeting, April 4 - 8 , 2011, Dresden, Germany, https://indico.gsi.de/getFile.py/access?contribId=109&sessionId=9&resId=0&materialId=slides&confId=1118	Gh. Caragheorgheopol, F. Constantin, M.Petrovici, V.Simion et al.		
21	A tentative architecture of the most inner region of CBM-TRD, 17th CBM Collaboration Meeting, April 4 - 8 , 2011, Dresden, Germany, https://indico.gsi.de/getFile.py/access?contribId=115&sessionId=9&resId=0&materialId=slides&confId=1118	M. Petrovici, D. Bartos, Gh. Caragheorgheopol, V. Catanescu, F. Constantin, M. Petris, L. Radulescu, V. Simion	2011	0
22	Proposal for Inner wall Layout, 17th CBM Collaboration Meeting, April 4 - 8 , 2011, Dresden, Germany, https://indico.gsi.de/getFile.py/access?contribId=54&sessionId=11&resId=0&materialId=slides&confId=1118	M. Petrovici, D. Bartos, F. Constantin, M. Petris, L. Radulescu, V. Simion,	2011	0
23	Status high rate glass MRPC with strip readout, 18th CBM Collaboration Meeting, Beijing, China, September 26 – 30, 2011, https://indico.gsi.de/getFile.py/access?contribId=50&sessionId=6&resId=0&materialId=slides&confId=1119	M. Petris, D. Bartos, G. Caragheorgheopol, F. Constantin, M. Petrovici, L. Radulescu, V. Simion, V. Aprodu, V. Duta, L. Prodan, A. Radu, P. Zaharia et al	2011	0
24	Beamtest 2010 and 2011 related status update from Bucharest, 18th CBM Collaboration Meeting, Beijing, China, September 26 – 30, 2011, https://indico.gsi.de/getFile.py/access?contribId=1&sessionId=10&resId=0&materialId=slides&confId=1119	M. Petrovici, V.Aprodu, D. Bartos, I.Berceanu, A.Bercuci, V. Catanescu, F.Constantin, G.Caragheorgheopol, M.Petris, L.Prodan, A.Radu, L.Radulescu, V.Simion, M.Tarzila, P.Zaharia et al.,	2011	0
25	Emission of light clusters in nuclear reactions at 25 MeV/nucleon with different N/Z of entrance channel EXOCHIM Collaboration State of Art in Nuclear Cluster Physics – SOTANCP2, Bruxelles, 29/05/2010	I. Berceanu, A. Pop	2010	0
26	Multiplicity measurements in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE, Jun 2010. 4pp. To appear in the proceedings of 45th Rencontres de Moriond: QCD and High Energy Interactions, La Thuile, Aosta Valley, Italy, 13-20 Mar 2010. e-Print: arXiv:1006.4274 [hep-ex], 45th Rencontres de Moriond: QCD and High Energy Interactions, La Thuile, Aosta Valley, Italy, 13-20 Mar 2010.	By ALICE Collaboration (Jan Fiete Grosse-Oetringhaus for the collaboration).	2010	0
27	Track reconstruction algorithms for the CBM experiment at FAIR Journal of Physics: Conference Series, vol. 219, 032048	Andrey Lebedev, Claudia Hohne, Ivan Kisel, Gennady Ososkov for the CBM 2010collaboration	2010	0
28	CBM Experiment at FAIR Acta Physica Polonica	Pawel Staszal for the	2010	0

	B, vol. 41, No.2 (2010), 341 – 350, 31st Mazurian Lakes Conference On Physics: Nuclear Physics And The Road To FAIR,30 Aug - 6 Sep 2009, Piaski, Poland	CBM Collaboration		
29	Emission of light clusters in nuclear reactions at 25 MeV/nucleon with different N/Z of entrance channel, EXOCHIM Collaboration, , State of Art in Nuclear Cluster Physics â€“ SOTANCP2, Bruxelles, 29/05/2010	I. Berceanu, A. Pop	2010	0
30	Toward a high granularity, high counting rate differential readout RPC, X Workshop on Resistive Plate Chambers and Related Detectors, GSI Darmstadt, Germany, February 9 - 12, 2010. http://www-aix.gsi.de/conferences/rpc2010/present/701.pdf	D. Bartos, G. Caragheorgheopol, M. Petris, M. Petrovici, V. Simion , I. Deppner, K. Doroud, N. Herrmann, M. Kiss, P. Loizeau, Y. Zhang, M.C.S. Williams,	2010	0
31	Status of two-dimensions position sensitive TRD prototypes,16th CBM Collaboration Meeting, September 27 October 1 , 2010, Mamaia, Romania, https://indico.gsi.de/contributionDisplay.py?contribId=33&sessionId=33&confId=1049	M. Petris, V.Aprodu, D. Bartos, V. Catanescu, G.Caragheorgheopol, M. Petrovici, L.Prodan, A.Radu, V.Simion et al.,	2010	0
32	Dynamical properties of incomplete fusion events at 25 MeV/A in 40Ca+40,48Ca,46Ti at E/A=25MeV M. Papa for Exochim Collaboration http://agenda.ct.infn.it/contributionDisplay.py?contribId=30&sessionId=18&confId=128 ,Societ a Italiana di Fisica, Conference Proceedings, ISBN 978-88-7438-054-1, International Workshop on Multifragmentation and Related Topics , 4 – 7 Novembre, 2009, Catania, Italy	C. Agodi, F. Amorini, A. Anzalone, N. Arena, L. Auditore, R. Barna, A. Benisz, I. Berceanu, G. Cardella, S. Cavallaro, E. De Filippo, U. Emanuele, W. Gawlikowicz, G. Giuliani, F. Giustolisi, L. Grassi, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara,G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, N. G. Nicolis, A. Pagano, M. Papa, I. Pawelczak, M. Petrovici ,E. Piasecki, S. Pirrone, R. Płaneta, G. Politi , A. Pop et al	2009	0
33	Event-by-event Particle Yield Ratio Fluctuations in the CBM and NA49 Experiments By CBM Collaboration and Na49 Collaboration Proceedings of 5th International Workshop on Critical Point and Onset of Deconfinement (CPOD), Brookhaven, Upton, New York, 8-12 Jun 2009. e-Print: arXiv:0908.2875 [nucl-ex], CBM Collaboration: http://www.gsi.de/fair/experiments/CBM/Collaboration/CollaborationN_e.html	D. Kresan for the collaboration	2009	0
34	Mirror nuclei emission and isospin equilibration at intermediate energies 12th INTERNATIONAL	Ivano Lombardo, C.Agodi, R.Alba,	2009	0

	<p>CONFERENCE ON NUCLEAR REACTION MECHANISMS, Varenna (Italy), Villa Monastero, June 15 - 19, 2009, CERN-Proceedings-2010-001 available at http://cdsweb.cern.ch/record/1233497, Proceedings of the 12th INTERNATIONAL CONFERENCE ON NUCLEAR REACTION MECHANISMS, Varenna (Italy), Villa Monastero, 15-19 June 2009, p. 151, Edited by Francesco Cerutti and Alfredo Ferrari, ISBN 978-92-9083-339-0</p>	<p>F.Amorini, A.Anzalone, I.Berceanu, G.Cardella, M.B.Chatterjee, S.Cavallaro, E.De Filippo, A.Di Pietro, E.Geraci, G.Giuliani L.Grassi, A.Grzeszczuk, P.Figuera, E.La Guidara, G.Lanzalone, N.Le Neindre, C.Maiolino, A.Pagano, M.Papa, S.Pirrone, A.Pop, G.Politi, F.Porto, F.Rizzo, P.Russotto, D.Santonocito, G.Verde</p>		
35	<p>Reaction dynamics and hierarchy effects from light particles.International Workshop on Multifragmentation and Related Topics, 4 – 7 November, 2009,Catania, Italy, http://agenda.ct.infn.it/getFile.py/access?contribId=22&sessionId=24&resId=0&materialId=slides&confId=128, Societa Italiana di Fisica, Conference Proceedings, ISBN 978-88-7438-054-1</p>	<p>E. De Filippo for Exochim Collaboration (C. Agodi, F. Amorini, A. Anzalone, N. Arena, L. Auditore, R. Barna, A. Benisz, I. Berceanu, G. Cardella, S. Cavallaro, E. De Filippo, U. Emanuele, W. Gawlikowicz, G. Giuliani, F. Giustolisi, L. Grassi, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, N. G. Nicolis, A. Pagano, M. Papa, I. Pawelczak, M. Petrovici et al</p>	2009	0
36	<p>Isospin Effects in Heavy-Ion Collisions: Some Results From CHIMERA Experiments At LNS And Perspectives With Radioactive Beams, AIP Conf. Proc. -- May 4, 2009 -- Volume 1120, pp. 38-43 PERSPECTIVE IN NUCLEAR PHYSICS: Proceedings of the 6th Japan-Italy Symposium on Heavy-Ion Physics;</p>	<p>G. Cardella, F. Amorini, A. Anzalone, N. Arena, L. Auditore, R. Barnà, A. Benisz, Berceanu, M. B. Chatterjee, S. Cavallaro, E. De Filippo, U. Emanuele, W. Gawlikowicz, E. Geraci, L. Grassi, G. Giuliani, A. Grzeszczuk, P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, I. Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, N. G. Nicolis, A. Pagano, M. Papa, Pawelczak, M. Petrovici et al</p>	2009	0
37	<p>Beyond mean-field approach to shape coexistence phenomena in the A= 60-90 region, ISOLDE Workshop and Users meeting 2009,</p>	<p>A. Petrovici</p>	2009	0

	CERN-Geneva, Switzerland, 18-20 November (2009) (talk) (http://indico.cern.ch/contributionDisplay.py?contribId=3&sessionId=6&confId=67060)			
38	Layout and first test results of new TRD prototype, 13th CBM Collaboration Meeting, March 09 - 13, 2009, GSI Darmstadt, Germany, https://www.gsi.de/documents/DOC-2009-Mar-93-1.pdf	M. Petris, D.Bartos,I.Berceanu,V.Catanescu,A.Herghelegiu, M.Petrovici,V.Simion,A.Radu et al.	2009	0
39	Status differential strip RPC's, 13th CBM Collaboration Meeting, March 09 - 13, 2009, GSI Darmstadt, Germany, https://www.gsi.de/documents/DOC-2009-Mar-72-1.pdf	M. Petris, D. Bartos, G. Caragheorgheopol, M. Petrovici, V. Simion et al.,	2009	0
40	Layout and radioactive source test results of the first double sided, split pad TRD prototype, 14th CBM Collaboration Meeting, October 6 - 9, 2009, Split, Croatia, https://www.gsi.de/documents/DOC-2009-Oct-207-1.pdf	M. Petris, V.Aprodu, D. Bartos, G.Caragheorgheopol, V. Catanescu, M. Petrovici, L.Prodan, A.Radu, V.Simion et al.,	2009	0
PN 09 37 01 04				
1	<i>GriNFIC - Romanian Computing Grid for Physics and Related Areas</i> , NUCLEAR ELECTRONICS & COMPUTING (NEC2011), Proceedings of the XXIII International Symposium, E 10,11-2011-133, JINR, Dubna, 2011, p. 163-168	T. Ivanoaica, M. Ciubancan, S. Constantinescu, M. Dulea	2011	0
2	<i>Grid system for real-time management of distributed databases, with application to the coordination of complex projects</i> , Distributed Computing and Grid-Technologies in Science and Education: Proceedings of the 4th International Conference (Dubna, June28-July 3, 2010). – Dubna: JINR, Д-11-2010-140, 2010.- p.452ISBN 978-5-9530-0269-1, p 183-190	C. Placinta, I. Vasile, M. Dulea	2010	0
3	<i>Grid and High Performance Computing Infrastructure at the National Institute for Physics and Nuclear Engineering 'Horia Hulubei'</i> , Book of Abstracts of the 4th International Conference Distributed Computing and Grid-Technologies in Science and Education (Dubna, June28-July 3, 2010). – Dubna: JINR, ISBN 978-5-9530-0253-0, 2010, p. 51ISBN 978-5-9530-0269-1, p 183-190	M. Ciubancan, S. Constantinescu, I. Vasile, M. Dulea	2010	0
PN 09 37 01 05				
1.	HEAVY ION TRANSFER REACTIONS STUDIED WITH PRISMA plus CLARA, 43rd Zakopane Conference on Nuclear Physics, ACTA PHYSICA POLONICA B Volume: 40 Issue: 3 Pages: 457-465	N Marginean et al	2009	0
2.	EXPLORING THE PERFORMANCE OF THE SPECTROMETER PRISMA IN HEAVY ZIRCONIUM AND XENON MASS REGIONS, 43rd Zakopane Conference on Nuclear Physics, ACTA PHYSICA	N Marginean et al	2009	1

	POLONICA B Volume: 40 Issue: 3 Pages: 489-492			
3.	CORRELATIONS OF ENERGY RATIOS FOR COLLECTIVE NUCLEAR BANDS, 43rd Zakopane Conference on Nuclear Physics, ACTA PHYSICA POLONICA B Volume: 40 Issue: 3 Pages: 503-511	Zamfir NV et al	2009	0
4.	Transition probabilities in the X(5) candidate (122)Ba, CAPTURE GAMMA-RAY SPECTROSCOPY AND RELATED TOPICS Book Series: AIP Conference Proceedings Volume: 1090 Pages: 352-356	N Marginean et al	2009	0
5.	High-spin states in the neutron-rich A similar to 100 region, 4TH INTERNATIONAL WORKSHOP ON NUCLEAR FISSION AND FISSION-PRODUCT SPECTROSCOPY Book Series: AIP Conference Proceedings Volume: 1175 Pages: 162-165	N Marginean et al	2009	0
6.	Spin Distribution in Nuclear Level Schemes, 13th International Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Book Series: AIP Conference Proceedings Volume: 1090 Pages: 184-188	D Bucurescu	2009	0
7.	Correlations of Energy Ratios for Collective Nuclear Bands, CAPTURE GAMMA-RAY SPECTROSCOPY AND RELATED TOPICS Book Series: AIP Conference Proceedings Volume: 1090 Pages: 328-332	Zamfir NV et al	2009	0
8.	RIBs for reaction studies at near-barrier energies: the facility EXOTIC at LNL, PERSPECTIVES IN NUCLEAR PHYSICS Book Series: AIP Conference Proceedings Volume: 1120 Pages: 21-26	T Glodariu et al	2009	0
9.	Dynamical dipole mode in fusion reactions, PERSPECTIVES IN NUCLEAR PHYSICS Book Series: AIP Conference Proceedings Volume: 1120 Pages 9-14	T Glodariu et al	2009	0
10.	New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper, CAPTURE GAMMA-RAY SPECTROSCOPY AND RELATED TOPICS Book Series: AIP Conference Proceedings Volume: 1090 Pages: 122-129	C Mihai et al	2009	0
11.	beta-DELAYED gamma-RAY SPECTROSCOPY OF HEAVY NEUTRON RICH NUCLEI "SOUTH" OF LEAD, 43rd Zakopane Conference on Nuclear Physics, ACTA PHYSICA POLONICA B Volume: 40 Issue: 3 Pages: 867-870	C Mihai et al	2009	5
12.	beta(-)-DELAYED AND ISOMER SPECTROSCOPY OF NEUTRON-RICH Ta AND W ISOTOPES, 43rd Zakopane Conference on Nuclear Physics, ACTA PHYSICA POLONICA B Volume: 40 Issue: 3 Pages: 875-878	C Mihai et al	2009	2
13.	The Air-Shower Experiment KASCADE-Grande, 15th International Symposium on Very High Energy Interactions, NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 196	I Brancus et al	2009	0

	Pages: 80-85			
14.	Hadronic interactions and EAS muon pseudorapidities investigated with the Muon Tracking Detector in KASCADE-Grande, 15th International Symposium on Very High Energy Interactions, NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 196 Pages: 114-117	I Brancus et al	2009	0
15.	WILLI - EAS - a detection system for investigating the moon charge ratio in Extensive Air Showers, 15th International Symposium on Very High Energy Interactions, NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 196 Pages: 227-230	I Brancus et al	2009	0
16.	The KASCADE-Grande Experiment, 3rd School on Cosmic Rays and Astrophysics, COSMIC RAYS AND ASTROPHYSICS Book Series: AIP Conference Proceedings Volume: 1123 Pages: 211-216	I Brancus et al	2009	0
17.	Primary Energy Spectrum as Reconstructed from S(500) Measurements by KASCADE-Grande, 7TH INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION VOLS 1 AND 2 Book Series: AIP Conference Proceedings Volume: 1203 Pages: 145-150	G Toma et al	2009	0
18.	Investigation of the S(500) distribution for large air showers detected with the KASCADE-Grande array, 15th International Symposium on Very High Energy Interactions, NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 196 Pages: 247-250	G Toma et al	2009	0
19.	Recent results of the LOPES experiment, 15th International Symposium on Very High Energy Interactions, NUCLEAR PHYSICS B-PROCEEDINGS SUPPL Vol: 196 Pag 297-300	I Brancus et al	2009	2
20.	Analysis of deuteron elastic scattering and induced activation cross-sections of light and medium nuclei for IFMIF EVEDA, 25th Symposium on Fusion Technology, FUSION ENGINEERING AND DESIGN Volume: 84 Issue: 2-6 Pages: 418-422	M Avrigeanu et al	2009	6
21.	Diffusion motions in hydrated sodium alginate by QENS, 7TH INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION VOLS 1 AND 2 Book Series: AIP Conference Proceedings Volume: 1203 Pages: 1007-1012	V Tripadus et al	2009	0
22.	Spectroscopic studies with the PRISMA-CLARA set-up, XVIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS, Journal of Physics Conference Series, Vol 205 Article Number: 012038	N Marginean et al	2010	1
23.	Gamow-Teller Transitions and beta-decay Half-life in Proton Rich pf-shell Nuclei, TOURS SYMPOSIUM ON NUCLEAR PHYSICS AND ASTROPHYSICS - VII Book Series: AIP	A Negret et al	2010	0

	Conference Proceedings Volume: 1238 Pages: 297-300			
24.	Gamow-Teller Transitions in Proton Rich Exotic pf-shell Nuclei Deduced from Mirror Transitions, 10TH INTERNATIONAL SYMPOSIUM ON ORIGIN OF MATTER AND EVOLUTION OF GALAXIES AIP Conference Proceedings Volume: 1269 Pages: 436-438	A Negret et al	2010	0
25.	Restoring The Azimuthal Symmetry Of Charged Particle Lateral Density In The Range Of KASCADE-Grande, Carpathian Summer School of Physics Conference, EXOTIC NUCLEI AND NUCLEAR - PARTICLE ASTROPHYSICS III: FROM NUCLEI TO STARS AIP Conference Proceedings Volume: 1304 Pages: 225-233	I Brancus et al	2010	0
26.	Estimation of m.w.e (meter water equivalent) depth of the salt mine of Slanic Prahova, Romania, Carpathian Summer School of Physics Conference, EXOTIC NUCLEI AND NUCLEAR - PARTICLE ASTROPHYSICS III: FROM NUCLEI TO STARS AIP Conference Proceedings Volume: 1304 Pages: 331-335	B Mitrica et al	2010	0
27.	Investigation of the solar influence on the cosmic muon flux using WILLI detector, Carpathian Summer School of Physics Conference, EXOTIC NUCLEI AND NUCLEAR - PARTICLE ASTROPHYSICS III: FROM NUCLEI TO STARS AIP Conference Proceedings Volume: 1304 Pages: 459-463	A Saftoiu et al	2010	0
28.	Primary Energy Reconstruction from the Charged Particle Densities Recorded with the KASCADE-Grande Detector at 500 m Distance from Shower Core, Carpathian Summer School of Physics Conference, EXOTIC NUCLEI AND NUCLEAR - PARTICLE ASTROPHYSICS III: FROM NUCLEI TO STARS AIP Conference Proceedings Volume: 1304 Pages: 469-473	G Toma et al	2010	0
29.	Forthcoming (n, gamma) measurements on the Fe and Ni isotopes at CERN n_TOF, 4th International Conference on Nuclear Physics in Astrophysics, NUCLEAR PHYSICS IN ASTROPHYSICS IV (NPAIV 2009) Journal of Physics Conference Series Volume: 202 Article Number: 012026	V Avrigeanu et al	2010	0
30.	Deuteron breakup effects on activation cross sections at low and medium energies, XVIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS Journal of Physics Conference Series Volume: 205 Article Number: 012014	M Avrigeanu, V Avrigeanu	2010	3
31.	(65)Cu(d,p)(66)Cu excitation function at deuteron energies up to 20 MeV, EFNUDAT Users and Collaboration Workshop on Measurements and Models of Nuclear Reactions, EPJ Web of Conferences Volume: 8	M Avrigeanu, V Avrigeanu et al	2010	1

	Article Number: 07002			
32.	Spectroscopy of transfermium nuclei using the GABRIELA set up at the focal plane of the VASSILISSA recoil separator, 5th INTERNATIONAL SYMPOSIUM ON EXOTIC NUCLEI AIP Conference Proceedings Vol 1224, 269-278	D Pantelica et al	2010	1
33.	Spectroscopy of transfermium nuclei using the GABRIELA set up at the focal plane of the VASSILISSA recoil separator, TOURS SYMPOSIUM ON NUCLEAR PHYSICS AND ASTROPHYSICS – VII Book Series: AIP Conference Proceedings Volume: 1238 Pages: 337-342	D Pantelica et al	2010	1
34.	Present Opportunities and Future Perspectives for Experimental Nuclear Physics in Magurele, "NEMEA-6: Exploring the frontiers of nuclear data and measurements, their uncertainties and covariances", Poland, 25-28	N Marginean	2010	0
35.	Quasi-elastic reactions : a survey on recent results, INTERNATIONAL SYMPOSIUM ON EXOTIC NUCLEI, AIP Conf. Proc. Volume 1224, pp. 185-194	N Marginean	2010	0
36.	Spectroscopic studies with the PRISMA-CLARA set-up, XVIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS Book Series: Journal of Physics Conference Series Volume: 205	N Marginean	2010	0
37.	EDXRF AND INAA ANALYSIS OF SOILS IN THE VICINITY OF A METALLURGICAL PLANT, 11th International Balkan Workshop on Applied Physics, ROMANIAN JOURNAL OF PHYSICS Volume: 56 Issue: 7-8 Pages: 993-1000	A Ene et al	2011	0
38.	PIXE ANALYSIS OF SOME VEGETABLE SPECIES, National Conference on Physics, ROMANIAN REPORTS IN PHYSICS Volume: 63 Issue: 4 Pages: 997-1008	A Pantelica et al	2011	0
39.	The Neutrons for Science Facility at SPIRAL-2, 11th International Conference on Applications of Nuclear Techniques, APPLICATIONS OF NUCLEAR TECHNIQUES: ELEVENTH INTERNATIONAL CONFERENCE Book Series: AIP Conference Proceedings Volume: 1412	M Avrigeanu, V Avrigeanu et al	2011	0
40.	Intense, Brilliant Micro gamma-Beams in Nuclear Physics and Applications, HARNESSING RELATIVISTIC PLASMA WAVES AS NOVEL RADIATION SOURCES FROM TERAHERTZ TO X-RAYS AND BEYOND II Proceedings of SPIE Vol 8075 Article Number: 807507	Zamfir NV et al	2011	0
41.	Extreme Light Infrastructure: Nuclear Physics, IODE-PUMPED HIGH ENERGY AND HIGH POWER LASERS ELI: ULTRARELATIVISTIC LASER-MATTER INTERACTIONS AND PETAWATT PHOTONICS AND HIPER: THE EUROPEAN PATHWAY TO LASER ENERGY Proceedings of SPIE Vol 8080	Zamfir NV et al	2011	0

	Article Number: 80800X			
42.	Strong reaction channels for the system F-17+Ni-58 at Coulomb barrier energies, INTERNATIONAL NUCLEAR PHYSICS CONFERENCE 2010 (INPC2010): NUCLEAR REACTIONS Book Series: Journal of Physics Conference Series Volume: 312 Article Number: 082032	T Glodariu et al	2011	0
43.	Lifetime measurements in mirror nuclei (31)S and (31)P: A test for isospin mixing, 10TH INTERNATIONAL SPRING SEMINAR ON NUCLEAR PHYSICS: NEW QUESTS IN NUCLEAR STRUCTURE Book Series: Journal of Physics Conference Series Volume: 267 Article Number: 012048	D Bucurescu et al	2011	0
44.	The measurement of the cosmic ray primary energy spectrum at 10(16)-10(18) eV with the KASCADE-Grande experiment, Cosmic Ray International Seminars (CRIS 2010), NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 212-13 Pages: 68-73	I Brancus et al	2011	0
45.	The LOPES experiment, Cosmic Ray International Seminars (CRIS 2010), NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 212-13 Pages: 323-328	I Brancus et al	2011	0
46.	Pt L X-RAYS PRODUCTION CROSS SECTIONS BY C-12, O-16, S-32 AND Ti-48 ION-BEAMS IN THE MeV/u ENERGY RANGE, 10th International Balkan Workshop on Applied Physics, ROMANIAN JOURNAL OF PHYSICS Volume: 56 Issue: 1-2 Pages: 71-79	M Gugiu et al	2011	0
47.	CHARACTERIZATION OF METALLURGICAL SLAGS USING LOW-LEVEL GAMMA-RAY SPECTROMETRY AND NEUTRON ACTIVATION ANALYSIS, 11th International Balkan Workshop on Applied Physics, ROMANIAN JOURNAL OF PHYSICS Vol 56 Issue 7-8 Pag 1011-1018	A Ene et al	2011	0
48.	Electromagnetic Transition Rate Measurements in the N=80 Isotone, 138Ce, Proc of Rutherford Centennial Conference on Nuclear Physics University of Manchester	D Bucurescu et al	2011	0
49.	Fast-timing measurements in 95,96Mo, Proc of IX International School on Nuclear Physics, Neutron Physics and Applications, Varna	N Marginean et al	2011	0
50.	Lifetime measurements in mirror nuclei (31)S and (31)P: A test for isospin mixing, 10TH INTERNATIONAL SPRING SEMINAR ON NUCLEAR PHYSICS: NEW QUESTS IN NUCLEAR STRUCTURE Book Series: Journal of Physics Conference Series Volume: 267 Article Number: 01204	N Marginean et al	2011	0
51.	Pair transfer processes probed at deep sub barrier energies, 5th International Conference of Fusion 2011	N Marginean et al	2011	0
52.	Gamma Spectroscopy and Lifetime Measurement Techniques at the Bucharest TANDEM Laboratory, 7th International Balkan	N Marginean	2011	0

	School on Nuclear Physics			
53.	Astrophysical(alpha, gamma) reaction in inverse kinematics; Electron screening effect in the beta-decay, NUCLEAR PHYSICS IN ASTROPHYSICS V Book Series: Journal of Physics Conference Series Vol 337 Article Number: 012015	R Borcea, C Borcea, M Stanoiu et al	2012	0
PN 09 37 01 06				
1	Faraday waves in Bose-Einstein condensates, , 12th International Balkan Workshop on Applied Physics, Constanta, Romania, Iulie 6-8, 2011, invited talk.	A. Nicolin	2011	
2.	Faraday waves in Bose-Einstein condensates, TIM-11, Timisoara, 24-27 Noiembrie, 2011	A. Nicolin	2011	
3.	Measurement of the Lambda_b production cross-section, https://indico.cern.ch/conferenceDisplay.py?confId=138694)	B. Popovici	2011	
PN 09 37 02 02				
1.	Various beams for RBS at IFIN-HH, International Workshop Low current, low energy beam diagnostics, Heidelberg 2009 Link http://www-bd.gsi.de/ditanet/index.html	H. Schubert, D. Dudu, I.Vata	2009	0
2	Diagnostic for exotic beams, 3 rd DITANET School on Beam Diagnostic Sevilla 2011 Link http://www-bd.gsi.de/ditanet/index.html	H. Schubert	2011	0
3	<i>A Rutherford Backscattering Study of Spin Valves Structures Prepared by Thermo Ionic Vacuum Arc</i> , Le Colloque Nanomagnetisme et Spintronique 24 et 25 novembre 2010 Maison MINATEC de Grenoble	D. Dudu, O. Muresan, I.Vata, V. Kuncser, P.Palade, I. Jepu, I. Mustata and C. Lungu	2010	0
4	<i>Rutherford backscattering depth profile study of the C-W films prepared by thermionic vacuum arc method.</i> Proc. E-MRS 2009 Spring Meeting, June 8-12, 2009, Strasbourg, France.	Alexandru ANGHEL, Cornel POROSNICU, Cristian P. LUNGU, Ion MUSTATA, Ana Mihaela LUNGU, Petrica CHIRU, Oana POMPILIAN, Catalin TICOS, Valer ZAROSCHI, Ofelia MURESAN Dorin DUDU, Eugeniu IVANOV, Ion VATA, Victor ANDREI, Mariana OSIAC,	2009	0
PN 09 37 02 03				
1.	“Technological Transfer from Research Nuclear Reactors to New Generation Nuclear Power Reactors” AIP Conference Proceedings Volume 1203 Alexandroupolis (Greece), 09–13 September 2009, ISBN: 978-0-7354-0740-4, pp. 1418-1423	Radulescu L., Pavelescu M.	2009	0
2.	“Historical Arguments to Sustain the Importance of the Technological Transfer in Nuclear Area” International Balkan Workshop, Constanta, Romania, July 6-8, 2009;	Radulescu L., Pavelescu M.	2009	0

3.	“Learning to Embrace Nuclear Physics through Education”, Proceedings of the 7 th General Conference of the BPU - Balkan Physical Union”, Grecia, sept. 2009, p1203	C. Avadanei	2009	0
4.	“Moving Table HCAL 1, a Technological Transfer Example in Nuclear Physics, International Balkan Workshop, Constanta, Romania, July 7-9, 2010;	Radulescu L., Pavelescu M.	2010	0
5.	“Riscuri asociate in desfasurarea practicii de CND cu radiatii ionizante”, Simpozion AROEnd, 2010, Constanta	Serban V.	2010	0
6.	“Education and Training of Medical Physics in Romania”, Med. Phys. Balt. States 1, ISSN 1822-5721, p. 44-46	Stanescu R.	2010	0
7.	„About implementation of EU requirements on education and training”, Proceedings of the Third European IRPA Congress, Finlanda, iunie 2010, P07-4	Rosca Fartat G., Coroianu A., Avadanei C. , S. Ghilea	2010	0
8.	“Nuclear Training Centre Experience in Radiation Protection Culture”, Proceedings of the Third European IRPA Congress, Finlanda, iunie 2010, P07-13	Avadanei C.	2010	0
9.	“Technological Transfer in Nuclear Field,a Study Based on European Model”, International Balkan Workshop, Constanta, Romania, July 6-8, 2011;	Radulescu L., Pavelescu M.	2011	0
10	„Training of Radiation Protection Experts – ‘Nuclear Training Centre’ Experience”, P03.13, 13th Congress of the International Radiation Protection Association (IRPA 13), Glasgow, Marea Britanie, 13 - 18 Mai 2012	Avadanei C., Stanescu G.	2012	0

PN 09 37 02 04

1.	APPLICATION OF ACCELERATORS IN RESEARCH AND INDUSTRY Book Series: AIP CONFERENCE PROCEEDINGS Volume: 1099 Pages: 496-499 Published: 2009	Design of an Automated System for Synthesis of [18F] FDG for PET Investigation at IFIN-HH Bucharest Craciun LS, Cimpeanu C, Constantinescu O, et al.	2009	0
2.	APPLICATION OF ACCELERATORS IN RESEARCH AND INDUSTRY Book Series: AIP CONFERENCE PROCEEDINGS Volume: 1099 Pages: 960-964 Published: 2009	Status and Perspectives for a Slow Positron Beam Facility at the HH-NIPNE Bucharest, Straticiuc M, Craciun LS, Constantinescu O, et al.	2009	0
3.	NEW TECHNIQUES FOR THE DETECTION OF NUCLEAR AND RADIOACTIVE AGENTS Book Series: NATO Science for Peace and Security Series B - Physics and Biophysics Pages: 27-47 Published: 2009	ENVIRONMENTAL RADIONUCLIDES MEASURED BY AMS, Stan-Sion C, Enachescu M, Dogaru M	2009	0

PN 09 37 02 05

1.	The Measurement of the Natural Radiation Background in a Salt Mine, Third European IRPA	Stochioiu Ana, Bercea Sorin, Sahagia Maria,	2010	0
----	---	---	------	---

	Congress 2010, June 14-16, Helsinki, Finlanda	Ivan Constantin, Tudor Ion, Celarel Aurelia		
2.	An extrapolation ionization chamber for alpha ray detection and measurement, Third European IRPA Congress 2010, June 14-16, Helsinki, Finlanda	Bercea Sorin, Cenusă Constantin, Celarel Aurelia, Sahagia Maria, Stochioiu Ana, Ivan Constantin	2010	0
3.	The quality control parameters of the medical radiological equipment, Joint International IMEKO TC1+TC7+TC13 Symposium August 31st September 2nd, 2011, Jena, Germany,	Bercea Sorin, Cenusă Constantin, Celarel Aurelia	2011	0
4.	The Fundamentals of the measurement of the dosimetric quantities in hadrontherapy, Joint International IMEKO TC1+TC7+TC13 Symposium August 31st September 2nd, 2011, Jena, Germany,	Bercea Sorin, Nikolic Aleksandra, Prioteasa Angelica, Celarel Aurelia, Cenusă Constantin	2011	0
5.	The Assessment of the Measuring Performances of a Standard Instrument for Absorbed Dose rate in the Medical Applications of the Ionizing Radiation, Joint International IMEKO TC1+TC7+TC13 Symposium August 31st September 2nd, 2011, Jena, Germany,	Bercea Sorin, Cenusă Constantin, Cenusă Ioan, Celarel Aurelia, Stela Patrascu	2011	0
6.	<i>Life cycle assessment of standard measuring instrument for quantities specific to the ionizing radiation</i> , 1st International Conference on Sustainable Intelligent Manufacturing H.Bartolo et al. (Eds) Liria, Portugal, June 28 - July 1, 2011	Sorin Bercea, Ioan Cenusă, Constantin Cenusă, Aurelia Celarel	2011	0
7.	Electrical characterization of an ionization chamber for absolute measurement of the absorbed dose for beta ray, International Congress of Metrology, Paris, October 3-6, 2011	Sorin Bercea, Constantin Cenusă, Aurelia Celarel	2011	0
8.	Calibration facility for low level dose rate calibration, International Congress of Metrology, Paris, October 3-6, 2011	Sorin Bercea, Constantin Cenusă, Aurelia Celarel	2011	0
9.	Life Cycle Assessment of the Romanian Reference Standard for Dosimetric Quantities, 13 th International Congress of the International Radiation Protection Association, 13-18 May 2012	Sorin Bercea, Aurelia Celarel, Ioan Cenusă, Constantin Cenusă	2012	0
10.	Rolul Laboratorului de Metrologia Radionuclizilor din IFIN-HH in asigurarea echivalentei internationale si a trasabilitatii nationale pentru etalonul unitatii de activitate, Simpozionul cu participare internationala "Prezent si perspective in stiinta masurarii" organizat de Institutul National de Metrologie in 17-18.11.2011, Revista Metrologie nr. 4/2011, pag. 753-764, ISSN 1220-546X	M. Sahagia, A. Luca, A. Antohe, C. Ivan	2011	0
11.	Recent participations of the Radionuclide Metrology Laboratory from IFIN-HH to proficiency tests and inter-laboratory comparisons, 3 rd International Proficiency Testing Conference (PTCONF 2011), Iasi, Romania, 28-30 September 2011, pag. 120-127,	A. Luca, M. Sahagia, A. Antohe, C. Sulea, R. Berenstain	2011	0

	Ed. Universității "Lucian Blaga" din Sibiu, ISSN 2066-737X			
12.	Results of a proficiency test on the measurement of volume radioactive sources from the mixture: ^{134}Cs and ^{137}Cs , 3 rd International Proficiency Testing Conference (PTCONF 2011), Iasi, Romania, 28-30 September 2011, pag. 47-54, Ed. Universității "Lucian Blaga" din Sibiu, ISSN 2066-737X	M. Sahagia, A. Antohe, A. Luca	2011	0
13.	Calibration of the High and Low Resolution Gamma-Ray Spectrometers, 13 th International Congress of the International Radiation Protection Association (IRPA 13), 13-18 May 2012, Glasgow, Scotland, http://www.irpa13glasgow.com/information/downloads/ , P02.262 sub tipar, la Rom.Rep.Phys.	A. Luca, A. Antohe, B. Neacsu, M. Sahagia	2012	0
14.	The Support Offered by the Romanian Primary Activity Standard Laboratory to the Nuclear Medicine Field, 13 th International Congress of the International Radiation Protection Association (IRPA 13), 13-18 May 2012, Glasgow, Scotland, http://www.irpa13glasgow.com/information/downloads/ , P02.268, sub tipar la Rom.J.Phys.	M. Sahagia, A. Antohe, A. Luca, A.C. Waetjen, C. Ivan	2012	0
PN 09 37 02 06				
1.	Synthesis of tritium labeled 4-androstendione, 4-androsten 3 β and 3 α diols, Proceedings XVa Conferinta Nationala cu participare internationala: Progrese in Criogenie si Separarea Izotopilor, Caciulata, Romania, Oct. 28-30, 2009	Lidia Matei, C Postolache, C. Tanase, Diana Chiper, C. Tuta, G Bubueanu	2009	0
2	Synthesis Of Nucleoside Analogue E-275 Class By Isotope Exchange Technique, Proceedings The 10 th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, USA, June 14-18, 2009	C. Postolache, Lidia Matei, C. Tanase, George Bubueanu	2009	0
3	Synthesis of N Phenylsuccinimide-T2 1,4 diphenylbutane-T8 and 1,4 diphenyl-2-buthene-T6, Proceedings The 10 th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, USA, June 14-18, 2009	C. Postolache, Lidia Matei	2009	0
4	Stand for Calibration of Tritium Gas Monitors, Proceedings Workshop Managementul tritiului INC-DTCI-ICSI Rm. Valcea Editia a IV-a, 12 iunie 2009	Cristian Postolache, Sebastian Brad, Lidia Matei	2009	0
5	Stand for calibration of tritium gas monitors, Proceedings XVa Conferinta Nationala cu participare internationala: Progrese in Criogenie si Separarea Izotopilor, Caciulata, Romania, Oct. 28-30, 2009	C Postolache, S Brad, Lidia Matei	2009	0
6	Stability studies of CdS nanotubes in presence of tritium, Proceedings XVa Conferinta	C. Postolache, Lidia Matei, Rodica	2009	0

	Nationala cu participare internationala Progrese in Criogenie si Separarea Izotopilor, Caciulata, Romania, Oct. 28-30, 2009	Georgescu, M. Sima		
7	Radiological features in tritium laboratory from Horia Hulubei National Institute for Physics and Nuclear Engineering, Proceedings XVa Conferinta Nationala cu participare internationala Progrese in Criogenie si Separarea Izotopilor, Caciulata, Romania, Oct. 28-30, 2009	C. Postolache, Lidia Matei, G. Bubueanu, C. Tuta, V. Fugaru	2009	0
8	Radiolabelling of Neurotensin Agonist and Antagonist with ¹⁷⁷ Lu, Proceedings The 10 th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, USA, June 14-18, 2009	Valeria Lungu, Diana Chiper, Lidia Matei, Catalina Barna, Iuliana Gruia, Cristian Postolache	2009	0
9	In vitro and in vivo Radiometrical Studies For Evaluation of New Nucleoside Analogue Behavior, Proceedings The 10 th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, USA, June 14-18, 2009	Lidia Matei, Gina Manda, Ionela Neagoe, C. Postolache, C.V. Tanase, G. Bubueanu	2009	0
10	DETERMINATION OF TRITIATED WATER ACTIVITY USING EPR SPECTROMETRY, Proceedings XVa Conferinta Nationala cu participare internationala Progrese in Criogenie si Separarea Izotopilor, Caciulata, Romania, Oct. 28-30, 2009	Cristian Postolache, Rodica Georgescu, Lidia Matei, Catalin Tuta	2009	0
11	BIOAFFINITY OF RADIOLABELED NEUROTENSIN AGONIST AND ANTAGONIST TO NEUROTENSIN RECEPTORS, Proceedings The 10 th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, USA, June 14-18, 2009	Diana Chiper, Valeria Lungu, Lidia Matei, George Bubueanu	2009	0
12	The potential role of ADC map diffusion weighted imaging in evaluation of breast benign or malignant lesions, Proceedings Bridges in Life Sciences US-CEE Regional Networking Meeting IV, RECOOP Consortium, Global Alliance for Life Sciences GO FOR LIFE, Debrecen, Hungary, April 4-5, 2009	Adina Chirita and Dana Niculae	2009	0
13	Receptor targeted lymphoscintigraphy using dextran macromolecule derivatives labelled with ^{99m} Tc: In vivo biological evaluation, Proceedings 10th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18 2009	Dana Niculae, Marina Iliescu, Ioana Patrascu, R. Vasilache, C. Mustaciosu, Gabriela Voicu and Mariana Purice	2009	0
14	Radioterapia Tintita a Cancerului Utilizand Biomolecule Radiomarcate, Proceedings Conferinta Societatii Romane de Radioterapie si Zilele Medicale ale Institutului Oncologic "Prof. Dr. Alexandru Trestioreanu" Bucuresti, Poiana Brasov, Romania, Septembrie 17-19, 2009	Valeria Lungu and Dana Niculae	2009	0

15	Labelling of anti-epidermal growth factor monoclonal antibody with ¹⁷⁷ Lu: Radiochemical and biological evaluation, Proceedings 10th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18 2009	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia and Marina Iliescu	2009	0
16	Investigations of direct labelling of anti-VEGF-Mab with Re-188, 10th Proceedings International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18 2009	Valeria Lungu, Dana Niculae and Marina Iliescu	2009	0
17	In vitro biological evaluation of ¹⁸⁸ Re-anti-VEGF-mAb and ¹⁸⁸ Re-anti-MUC1-mAb, Proceedings Bridges in Life Sciences US-CEE Regional Networking Meeting IV, RECOOP Consortium, Global Alliance for Life Sciences GO FOR LIFE, Debrecen, Hungary, April 4-5, 2009	Dana Niculae, Adina Chirita, Marina Iliescu, Diana Savu and Valeria Lungu	2009	0
18	Evaluation of ^{99m} Tc dextran mannose conjugate derivatives for sentinel node detection, Proceedings 2nd Research Coordination Meeting on Development of ^{99m} Tc Radiopharmaceuticals for Sentinel Node Detection and Cancer Diagnosis, Athens, Greece, May 18-22 May, 2009	Dana Niculae, Marina Iliescu, Ioana Patrascu, C. Mustaciosu, C.Tuta, Mariana Purice, Gabriela Voicu and R. Vasilache	2009	0
19	BNCT and targeted radiotherapy (TRT) developments in Romania, Proceedings BgNS Conference Nuclear Power for the People, Veliko Turnovo, Bulgaria, Noiembrie 11-14, 2009	Ioana Patrascu, Iuliana Gruia, Rodica Anghel, Valeria Lungu, F. Constantin, V. Fugaru, Dana Niculae, I. Ursu, T. Esanu	2009	0
20	Aplicatii ale Izotopilor Radioactivi Medicali in Radioimunoterapie si Imagistica Moleculara prin SPECT/PET, Proceedings Conferinta Societatii Romane de Radioterapie si Zilele Medicale ale Institutului Oncologic "Prof. Dr. Alexandru Trestioreanu" Bucuresti, Poiana Brasov, Romania, Septembrie 17-19, 2009	Dana Niculae	2009	0
21	The design of an automated and versatile apparatus for the synthesis of PET radiotracers, Proceedings Cyclotron Research Network Workshop, Ispra, Italy, December 15-16, 2009	Liviu Stefan Craciun, Catalina Cimpeanu, Olimpiu Constantinescu, Cristina Ionescu, Dorin Dudu, Petru Mihai Racolta	2009	0
22	Rhenium-188 labelled albumin microspheres for therapy of liver tumors, Proceedings 10th International Symposium of the International Isotope Society, Chicago, Illinois USA, June 14-18, 2009	V.N. Borza, E.Neacsu, C.Mustaciosu, A. Luca, C.Barna, N. Popescu, I. Mercioniu, P. Albert, A. Hurduc, L. Moldovan, G. P. Savi, I.Savi, L. Matei	2009	0
23	Refurbishment of the Tritium Laboratory from NIPNE Romania, Proceedings 9-th International	Lidia Matei, C. Postolache	2010	0

	Conference on Tritium Science and Technology TRITIUM 2010, 24-29 octombrie 2010, Nara, Japonia			
24	Portable Stand for Calibration of Tritium Gas Monitors, Proceedings 9-th International Conference on Tritium Science and Technology TRITIUM 2010, 24-29 octombrie 2010, Nara, Japonia	C. Postolache, Lidia Matei	2010	0
25	Hydrophobic Isotope Exchange Catalyst Endurance Test Facilities, Proceedings 9-th International Conference on Tritium Science and Technology TRITIUM 2010, 24-29 octombrie 2010, Nara, Japonia	Lidia Matei, C. Postolache, C Tuta, S Brad	2010	0
26	Determination of Tritiated Water Activity Using EPR Spectrometry, Proceedings 9-th International Conference on Tritium Science and Technology TRITIUM 2010, 24-29 octombrie 2010, Nara, Japonia	C. Postolache, Rodica Georgescu, Lidia Matei	2010	0
27	The Purification and the Quality Control of 68-Ga Eluate, Proceedings 2010 Annual Scientific Conference, Magurele, Romania, June 18, 2010	Ioana Patrascu, Dana Niculae, Valeria Lungu, I. Ursu, Marina Iliescu, C. Tuta and A. Antohe	2010	0
28	Targeted Radiotherapy of Cancer Using Anti-Epidermal Growth Factor Monoclonal Antibody Radiolabelled with 177Lu, Proceedings Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Marina Iliescu, Ioana Patrascu, Ioan Ursu	2010	0
29	Synthesis of 68Ga-DOTA VIP, Proceedings Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010	Dana Niculae, Ioana Patrascu, Valeria Lungu, I. Ursu, Marina Iliescu, C. Tuta and A. Antohe	2010	0
30	Receptor Targeted Lymphoscintigraphy Using Dextran-Mannose Derivates, Proceedings Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010	Dana Niculae, Marina Iliescu, Ioana Patrascu, Cosmin Mustaciosu, Ioan Ursu	2010	0
31	Receptor targeted lymphoscintigraphy using dextran macromolecule derivatives labelled with 99mTc: in vivo evaluation, Proceedings Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010	Dana Niculae, Ioana Patrascu, C. Tuta, R. Vasilache, C. Mustaciosu and Gabriela Voicu	2010	0
32	RECEPTOR MEDIATED IMAGING APPLIED TO SENTINEL LYMPH NODE (RADIO)DETECTION, Proceedings The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14, 2010	Dana Niculae, Ioana Patrascu, I. Pirmettis, C. Mustaciosu, C. Tuta and Gabriela Voicu	2010	0
33	RECEPTOR MEDIATED IMAGING APPLIED TO SENTINEL LYMPH NODE (RADIO)DETECTION,	Dana Niculae, Ioana Patrascu, I. Pirmettis, C.	2010	0

	Proceedings Conferinta Societatii Romane de Radioterapie si Zilele Medicale ale Institutului Oncologic Prof. Dr. Alexandru Trestioreanu, Bucuresti, Romania, Noiembrie 18-20, 2010	Mustaciosu, C. Tuta, Gabriela Voicu		
34	Quality control of radiopharmaceuticals using HPLC, Proceedings International Autumn School, Biophysics & Bioelectrochemistry for Medicine: Basic Concepts, New Techniques and Application Perspective, Vulcan, Romania, October 1-6, 2010	Ioana Patrascu, Dana Niculae and C. Tuta	2010	0
35	PRELIMINARY BIOLOGICAL EVALUATION OF DEXTRAN-MANNOSE DERIVATES LABELLED WITH ^{99m}Tc FOR RECEPTOR TARGETED LYMPHOSCINTIGRAPHY, Proceedings 2010 AACC Annual Meeting, Improving Healthcare through Laboratory Medicine, Anaheim, CA, July 25-29, 2010	Dana Niculae, Mariana Purice, I. Pirmettis, Marina Iliescu, Ioana Patrascu, C. Mustaciosu, Gabriela Voicu, I. Ursu and C. Tuta	2010	0
36	New Agents for Targeted Radiotherapy of Cancer, Proceedings The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14, 2010	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Lorelei Brasoveanu, Marieta Panait, Valentina Negoita	2010	0
37	Molecular Imaging Agents for PET based on ^{68}Ga , Proceedings Congresul National de Medicina Nucleara cu participare internationala, Bucuresti, Romania, Noiembrie 17-19, 2010	Dana Niculae, Ioana Patrascu, C. Tuta and I. Ursu	2010	0
38	Molecular Imaging Agents for PET based on ^{68}Ga , Proceedings The Second International Workshop of the Romanian Society of Hadrontherapy, Paltinis, Sibiu, Romania, November 12-14, 2010	Dana Niculae, Ioana Patrascu, C. Tuta and I. Ursu	2010	0
39	METHODS FOR CONCENTRATION AND CHEMICAL PURIFICATION OF ELUATES FROM $^{68}\text{Ge}/^{68}\text{Ga}$ GENERATOR FOR PREPARING HIGH-PURITY RADIOPHARMACEUTICALS, Proceedings Workshop: Is there a future for Innovative PET Radionuclides ^{64}Cu , ^{68}Ga , ^{89}Zr and ^{44}Sc ?, Nantes, France, July 6-9, 2010	Dana Niculae, Ioana Patrascu, Marina Iliescu, C. Tuta, Valeria Lungu, I. Ursu and A. Antohe	2010	0
40	Labelling of anti-epidermal growth factor monoclonal antibody with ^{177}Lu : Radiochemical and biological evaluation, Proceedings 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Marina Iliescu, Ioana Patrascu	2010	0
41	In Vitro Biological Evaluation of ^{188}Re -anti-VEGF-Mab and ^{188}Re -anti-MUC1, Proceedings 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010	Dana Niculae, Valeria Lungu, Lorelei Brasoveanu, Diana Savu, Marina Iliescu, Ioana Patrascu	2010	0
42	EVALUATION OF ^{99m}Tc DEXTRAN MANNOSYL CONJUGATE DERIVATIVES FOR SENTINEL NODE DETECTION, Proceedings 3rd IAEA CRP Meeting on Development of ^{99m}Tc	Dana Niculae, Ioana Patrascu, C. Tuta and C. Mustaciosu	2010	0

	radiopharmaceuticals for sentinel node detection and cancer diagnosis, Vienna, Austria, November 22-26, 2010			
43	Evaluation of ¹⁸⁸ Re-anti-VEGF-Mab as novel agent in cancer radioimmunotherapy, Proceedings Conferinta Nationala de Fizica, Iasi, Romania, Septembrie 23-25, 2010	Dana Niculae, Valeria Lungu, Ioana Patrascu, M. Radu and Diana Savu	2010	0
44	Dextran-Mannose Derivatives Labelled with ^{99m} Tc - Potential Agents for Receptor Targeted Lymphoscintigraphy, Proceedings 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11, 2010	Dana Niculae, C. Tuta, Ioana Patrascu, Marina Iliescu, C. Mustaciosu, Gabriela Voicu and Mariana Purice	2010	0
45	¹⁸⁸ Re-Radiolabelled Antibodies For Targeted Radiotherapy, Proceedings Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4, 2010	Dana Niculae, Valeria Lungu, Ioana Patrascu, Lorelei Brasoveanu, Diana Savu, Marina Iliescu, Ioan Ursu	2010	0
46	Method for Concentration and Chemical Purification of Eluates from Ge-68/Ga-68 Generator-based Tin Oxide, Proceedings First World Congress on Ga-68 and Peptide Receptor Radionuclide Therapy (PRRNT), Germania, Bad Berka, Zentralklinik Bad Berka, June 23-26, 2011	Dana Niculae, Ioana Esanu, Catalin Tuta, Ioan Ursu	2011	0
47	In vitro biological testing of ¹⁸⁸ Re-anti-VEGF and ¹⁸⁸ Re-anti-MUC1 on tumor cells, Proceedings FROM DOSIMETRY TO BIOLOGICAL EFFECT: RADIOBIOLOGY AS GUIDE TO CLINICAL PRACTICE IN NUCLEAR MEDICINE, Sorrento, Italy, November 4-9, 2011	Dana Niculae, Lorelei Brasoveanu, Diana Savu, Iuliana Gruia, Rodica Anghel, Ioana Esanu	2011	0
48	Development of Gallium 68 based PET-radiopharmaceuticals for imaging and therapy follow-up1, Proceedings st Meeting of CRP on Development of Gallium 68 based PET-radiopharmaceuticals for management of cancer and other chronic diseases, IAEA Viena, Austria, May 30 - 03 June, 2011	Dana Niculae, Ioana Esanu, Catalin Tuta, Ioan Ursu	2011	0
49	Preclinical Evaluation of ¹⁷⁷ Lu-DOTAM-EGF, Proceedings FROM DOSIMETRY TO BIOLOGICAL EFFECT: RADIOBIOLOGY AS GUIDE TO CLINICAL PRACTICE IN NUCLEAR MEDICINE, Sorrento, Italy, November 4-9, 2011	Dana Niculae, Valeria Lungu, Rodica Anghel, Iuliana Gruia, Ioana Esanu si Ioan Ursu	2011	0
50	DOTA-TYR3-Octreotate Labelled with Lu-177 and I-131 – Preclinical Comparative Evaluation, Proceedings First World Congress on Ga-68 and Peptide Receptor Radionuclide Therapy (PRRNT), Germania, Bad Berka, Zentralklinik Bad Berka, June 23-26, 2011	Dana Niculae, Valeria Lungu, Mihai Radu, Ioana Esanu	2011	0
51	Behaviour of Fluoropolymers in Presence of Tritiated Water, Proceedings 12-th Tihany Symposium on Radiation Chemistry, Zalakaros, 27 august - 01 septembrie 2011	Gh. Bubueanu, C Postolache, C. Tuta	2011	0
52	Evaluation of Primary Internal Self-Radiolytical	C. Postolache, Rodica	2011	0

	Effect in Tritium Labelled Compounds Using ESR Spectrometry, Proceedings 12-th Tihany Symposium on Radiation Chemistry, Zalakaros, 27 august - 01 septembrie 2011, :	Georgescu, C. Tuta, Gh. Bubueanu		
53	Radioinduced Acrylic Acid Grafting Onto Etruded Polystyrene Surface, Proceedings 12-th Tihany Symposium on Radiation Chemistry, Zalakaros, 27 august - 01 septembrie 2011	V. Fugaru, C Postolache, C. Tuta, Gh. Bubueanu	2011	0
PN 09 37 03 01				
1	Estimation of size and temperature limits for living cells by a semiclassical model based on fluctuations of water coherence domains' number and phase-number incertitude relationship, 9th International Fröhlich's Symposium Electrodynamic Activity of Living Cells, Prague, Czech Republic, 1-3 iulie (2011)	Preoteasa E.A. , Apostol M.	2011	0
2	Bleomycin and ionising radiation-induced bystander effects in two fibroblast cell lines, 14th International Congress of Radiation Research (ICRR2011), Warsaw, Poland, August 28-September 1 (2011)	Savu D. , Mustaciosu C. , Bercea S., Petcu Il.	2011	0
3	Imaging the methylglyoxal-induced changes in the peripheral sensory neurons from dorsal root ganglia, 12th Conference on Methods and Applications of Fluorescence (MAF 12) Spectroscopy, Imaging and Probes, Strasbourg, France, 11-14th September (2011)	Radu B.M., Marin A., Rotaru D., Iancu A.D., Mustaciosu C. , Radu D.L., Flonta M.L., Radu M.	2011	0
4	Gentamicin interaction with B16F10 cell membrane studied by dielectrophoresis, 8th EBSA European Biophysics Congress, Budapest, Hungary, aug. 23-27 (2011)	Lazar I.M., Saplacan L., LazarG., Sobetkii A., Iordache M.M., Kovacs E., Radu M. , Moisescu M.G	2011	0
5	Comparative effects of UV irradiation and chemical exposure on in vitro fibroblast cultures evaluated by comet assay, 9th International Comet Assay Workshop, Kusadasi, Turkey 13 - 16 September (2011)	Mustaciosu C. , Radu M. , Savu D. , Petcu Il.	2011	0
6	Imaging sensory neurons and neuroblastoma SH-SY5Y during manipulation with optical tweezers, 8th IBRO World Congress of Neuroscience, Florence, Italy, July 14-18 (2011)	Radu B.M., Banciu D.D., Marin A., Rotaru D., Radu M.	2011	0
7	Methylglyoxal effect on sensory neurons from dorsal root ganglia DRG in type 1 diabetes mice, EMBO EMBL Symposia: Seeing is Believing - Imaging the Processes of Life, Heidelberg, Germany, 17-20 March (2011)	Radu B.M., Rotaru D., Iancu A.D., Radu D.L., Radu M.	2011	0
8	Quality assurance for measurements of the radioactivity in the area of the Horia Hulubei, National Institute for Physics and Nuclear Engineering, IFIN-HH, 14-th Joint International IMEKO TC1+TC7+TC13 Symposium, Jena, Germany, 29Aug-02 Sept (2011)	Stochioiu A. , Luca A., Sahagia M., Margineanu R.M. , Tudor I.	2011	0
9	Evaluation of ^{99m} Tc dextran mannose conjugate derivatives for sentinel node detection, 3rd IAEA CRP Meeting on	Niculae D., Patrascu I., Tuta C., Mustaciosu C.	2010	0

	Development of ^{99m} Tc radiopharmaceuticals for sentinel node detection and cancer diagnosis, Vienna, Austria, November 22-26 (2010)			
10	Preliminary biological evaluation of dextran-mannose derivatives labelled with ^{99m} Tc for receptor targeted lymphoscintigraphy, 2010 AACC Annual Meeting, Improving Healthcare through Laboratory Medicine, Anaheim, CA, July 25-29 (2010)	Niculae D., Purice M., Pirmettis I., Iliescu M., Patrascu I., Mustaciosu C. , Voicu G., Ursu I., Tuta C.	2010	0
11	Receptor Targeted Lymphoscintigraphy Using Dextran-Mannose Derivates, Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4 (2010)	Niculae D., Iliescu M., Patrascu I., Mustaciosu C. , Ursu I.	2010	0
12	Fluorescence studies of antimicrobial peptides insertion into model membranes, 1st EBSA Course in Membrane Biophysics, Arcachon, France, June 6-11th (2010)	Bacalum M., Radu M. ,	2010	0
13	Dextran-Mannose Derivatives Labelled with ^{99m} Tc - Potential Agents for Receptor Targeted Lymphoscintigraphy, 15th European Symposium on Radiopharmacy and Radiopharmaceuticals, Edinburgh, Scotland (UK), April 8-11 (2010)	Niculae D., Tuta C., Patrascu I., Iliescu M., Mustaciosu C. , Voicu G., Purice M.	2010	0
14	Is double transgenic mice TCR-HA+/-/Ins-HA+/- a proper model for peripheral diabetic neuropathy, 50th Annual Meeting of American Society for Cell Biology, Philadelphia, USA, December 11-15 (2010)	Radu B.M., Iancu A.D., Radu D.L., Radu M.	2010	0
15	In vivo cytotoxicity of ¹⁸⁸ Re-anti-VEGF-Mab, 38th Annual Meeting of the European Radiation Research Society, Stockholm, Sweden, September 5-9 (2010)	Savu D. , Lungu V., Niculae D., Gruia I., Fugaru V., Anghel R., Mustaciosu C. , Petcu II.	2010	0
16	Capsaicin decreases blood glucose, insulin and TRPV1 expression in sensory peripheral neurons in double transgenic diabetes mice, Diabetes Obesity & Metabolism, 1st International Diabetes and Obesity Forum, 21-23 October (2010), Athens, Greece 12 , 1 , 42-43	Radu B.M., Iancu A.D., Radu D.L., Radu M.	2010	0
17	Capsaicin is a key molecule in neuropathic pain induced by diabetes, 35th FEBS Congress, June 26 - July 1 (2010) Goteborg, Sweden, FEBS J., 277 , 1 , 77-77	Radu B.M., Iancu A.D., Rotaru D., Radu D.L., Stavaru C., Mustaciosu C. , Radu M.	2010	0
18	Oxidative stress alterations in peritoneal macrophages and polymorphonuclear leukocytes for type I autoimmune diabetic mice, 35th FEBS Congress, Goteborg, Sweden, June 26 - July 1 (2010)	Iancu A.D., Stavaru C., Petcu II. , Radu B.M., Radu D.L., Radu M.	2010	0
19	TRPV1 role in diabetic neuropathy evaluated in a double transgenic diabetic mice, 7th FENS Forum of European Neuroscience, Amsterdam, The Netherlands, July 3-7 (2010)	Radu B.M., Iancu A.D., Radu D.L., Radu M.	2010	0
20	¹⁸⁸ Re-Radiolabelled Antibodies For Targeted	Niculae D., Lungu V.,	2010	0

	Radiotherapy, Physics for Health in Europe Workshop, Towards a European roadmap for using physics tools in the development of diagnostics technologies and new cancer therapies, CERN, Switzerland, February 2-4 (2010)	Patrascu I., Brasoveanu L., Savu D. , Iliescu M., Ursu I.		
21	An Extrapolation Ionization Chamber fo Alfa Ray Detection and Measurement, Third European IRPA Congress Helsinki, Finland , 14-18 June (2010)	Bercea S., Cenusa C-tin., Celarel A., Sahagia M., Stochioiu A. , Ivan C-tin.	2010	0
22	An Extrapolation Ionization Chamber for alfa-ray Detection and Measurement, Third European IRPA Congress, Helsinki, Finland, 14-18 June (2010)	Bercea S., Cenusa C-tin., Celarel A., Sahagia M., Stochioiu A. , Ivan C-tin.	2010	0
23	Cercetare si Aplicatii in Laboratorul pentru Dozimetria de Personal si Mediu, Conferinta Nationala Comuna, Protectia in Expunerea Profesionala la radiatii Ionizante, Bucuresti, Romania 8 oct.(2010)	Stochioiu A., Tudor I., Gheorghiu A.	2010	0
24	Radioactivity of Environmental and Nuclear Reactor Decommissioning Samples by Low Bacground Gamma-Ray Spectrometry, The Tird Annual International Conference on Sustainable Development trough Nuclear Research and Education, Pitesti, Romania, May, 26-28 (2010)	Pantelica A., Stochioiu A. , Dragusin M.	2010	0
25	Research and Applications in the Laboratory for Environmental and Personnel Dosimetry, Third European IRPA Congress, Helsinki, Finland, 14-18 June (2010)	Stochioiu A., Tudor I., Gheorghiu A.	2010	0
26	The Measurement of the Natural radiation in a salt-mine, Third European IRPA Congress, Helsinki, Finland, 14-18 June (2010)	Stochioiu A. , Bercea S., Sahagia M., Ivan C., Tudor I. , Celarel A.	2010	0
27	Radon, as a tracer for mixing height dynamics " an overview and RADO perspectives, Optoelectronic Techniques for Environmental Monitoring Workshop (OTEM 2009) , September 30 October (2009)	Galeriu D., Melintescu A., Stochioiu A. , Nicolae D., Balin I.	2009	0
28	Evaluation of 99mTc dextran mannose conjugate derivatives for sentinel node detection, 2nd Research Coordination Meeting on Development of 99mTc Radiopharmaceuticals for Sentinel Node Detection and Cancer Diagnosis, Athens, Greece, May 18-22 May (2009)	Niculae D., Iliescu M., Patrascu I., Mustaciosu C. , Purice M., Voicu G., Vasilache R.	2009	0
29	In vitro biological evaluation of 188Re-anti-VEGF-mAb and 188Re-anti-MUC1-mAb, Bridges in Life Sciences US-CEE Regional Networking Meeting IV, RECOOP Consortium, Global Alliance for Life Sciences GO FOR LIFE, Debrecen, Hungary, April 4-5 (2009)	Niculae D., Chirita A., Iliescu M., Savu D. , Lungu V.	2009	0
30	Cell size and shape by quantum models of water coherent domains dynamics, Fourth Annual Conference on The Physics, Chemistry and Biology of Water, Mount Snow, West Dover, Vermont, USA, October 22-25 (2009)	Preoteasa E.A. , Apostol M.V.	2009	0

31	PIXE evidence of extra-dental contamination with metals from dowels of a root-crown restoration, 19th International Conference on Ion Beam Analysis, University of Cambridge, UK, 7-11 September (2009)	Preoteasa E.A. , Preoteasa E., Suciul., Gurban D., Pena D.	2009	0
32	Thierens H., Nagels G., Vral A., Radiosensitivity and antioxidant biomarkers in multiple sclerosis patients, 37th Annual Meeting of the European Radiation Research Society, Prague, Czech Republic, 26th-29th August (2009)	Petcu Il., Savu D.	2009	0
33	Competitive binding of radiolabeled neurotensin agonist and antagonist to neurotensin receptors, Eighteenth International Symposium on Radiopharmaceutical Sciences, July 12-17, 2009, Edmonton, Canada, J. Labelled Compd. Rad., 52 , S1, S383-S383 (2009)	Chiper D., Lungu V., Purice M., Radu M.	2009	0
34	A fluorescence approach for characterizing the interaction of antibiotics with outer membrane porin OmpF inserted in liposomes, 436th WE Heraeus Seminar "Biosensing with channels: faster, smaller, smarter", Jacobs University, Bremen, Germany, June 28-July 4 (2009)	Bacalum M., Radu M.	2009	0
35	Bioaffinity of radiolabeled neurotensin agonist and antagonist to neurotensin receptors, The Tenth International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18 (2009)	Chiper D., Lungu V., Barna C., Tuta C., Matei L., Radu M. , Bubueanu G., Postolache C.	2009	0
36	Receptor targeted lymphoscintigraphy using dextran macromolecule derivatives labelled with 99mTc: In vivo biological evaluation, 10th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled Compounds, Chicago, Illinois, USA, June 14-18 (2009), J. Labelled Compd. Rad., 53 , 5-6, 398-402 (2010)	Niculae D., Iliescu M., Patrascu I., Vasilache R., Mustaciosu C. , Voicu G., Purice M.	2009	0
37	Rhenium-188 labelled albumin microspheres for therapy of liver tumors, 10th International Symposium of the International Isotope Society, Chicago, Illinois USA, June 14-18 (2009), J. Labelled Compd. Rad., 53 , 5-6, 470-471 (2010)	Borza V.N., Neacsu E., Mustaciosu C. , Luca A. and al	2009	0
PN 09 37 03 02				
1.	Treatment and Conditioning of Historical Radioactive Waste, The 2nd International Conference on Sustainable Development through Nuclear Research and Education, May 27-29, 2009, Pitești, România	Dogaru, Ghe., Dragolici, F., Ionascu, L., Rotarescu	2009	0
2.	Long Term Conditioning and storage of spend sealed radioactive sources, International Symposium "The Environment and Industry" (SIMI 2009), Bucuresti, Romania, 2009	Dogaru, Ghe., Dragolici, F.,	2009	0
3.	Characterization Studies Of A Radioactive Waste Drum Using High Resolution Gamma Spectrometric Systems, The 7th General Conference of the Balkan Physical Union,	M.Toma, O. Sima , C. Cristache, L. Done, F. Dragolici,	2009	0

	Alexandroupolis 9-13 September 2009			
4.	Characterization Studies of Radioactive Waste Drums Using High Resolution Gamma Spectrometric System, AIP Conference -- January 21, 2010	M. Toma, C. Cristache, L. Done, F. Dragolici, and O. Sima	2010	0
5.	Long term behaviour evaluation of cement conditioning matrices used for management of radioactive wastes at IFIN-HH, IAEA Workshop 3rd RCM, Kalpakkam, India, October 18-22, 2010	Felicia Dragolici, Laura Ionascu, Mihaela Nicu, C. N. Turcanu, Gh. Rotarescu, Gh. Dogaru, Carmela Alexandru, C.A.Dragolici	2010	0
6.	Experimental study of the radionuclides transport in soil and plants from waste dump, Third European IRPA Congress 2010 June 14-18, Helsinki, Finland	Bragea Mihaela, Aldave de las Heras Laura, Cristache Carmen, Carlos Marquez Ramon, Toro Laszlo	2010	0
7.	Safety of legacy radioactive waste, International Symposium "The Environment and Industry", Bucharest, 16-18 November, 2011	Gh. Dogaru, F. Dragolici	2011	0
8.	„Neutron scattering methods used to investigate the radioactive waste confinement” The 3rd joint seminar JINR-Romania on neutron physics for investigations of nuclei, condensed mater and life sciences, 24-30 July, 2011, Targoviste, Romania	C. A. Dragolici, F. Dragolici	2011	0

I.3. Lucrări publicate în alte publicații relevante:

Nr.	Titlul articolului	Numele Jurnalului, Volumul, Pagina nr.	Nume Autor	Anul publicării
PN 09 37 01 02				
1.	Magic Binary Metallic Clusters	J. Theor. Phys. 197	L. C. Cune	2010
2.	Mechanics with Variable Noncommutativity	Rom. J. Phys. 54 9-14	C.S. Acatrinei	2009
3.	Heterotic compactifications on SU(2)-structure backgrounds	JHEP 0909 012	J. Louis, D. Martinez-Pedrerera, A. Micu.	2009
4.	Moduli Stabilisation in Heterotic Models with Standard Embedding.	JHEP 1001 011	A. Micu	2010
5.	Heterotic type IIA duality with fluxes - towards the complete story.	JHEP 1010 059	A. Micu	2010
6.	Operatorial Formulation of Gauge Invariance	Rom. J. Phys. 54 3-8	C.S. Acatrinei	2009
7.	Plasmons, polaritons and diffraction of the eletromagenic field for an infinite circular cylinder	Roum. J. Phys. 55 493	M Apostol and G Vaman	2010
8.	Atraction force between a polarizable point-like particle and a semi-infinite	Roum. J. Phys. 55 764	M Apostol and G Vaman	2010

	solid			
9.	Cohomological Aspects of Gauge Invariance in the Causal Approach	Romanian Journ. Phys. 55, 386	D. R. Grigore	2010
10.	On a Generalisation of the Poincare-Cartan Form in Higher-Order Field Theory	"Variations, Geometry and Physics", Nova Science Publ. 2009, pg. 57	D. R. Grigore	2009
11.	Gravitational Interaction of Yang-Mills Fields from Free-Field Cohomology	Romanian Journ. Phys. 57, 192	D. R. Grigore	2012
12.	A new uniform asymptotic approximation of the 3D scattering wavefunction for a central potential	J. Advanced Research in Physics, 1, 021008	N. Grama	2010
13.	Quantum Mechanics for Pedestrians	Journal of Optoelectronics and Advanced Materials – Symposia, vol. 3, no. 1, p. 32-37	C. S. Acatrinei, A. T. Grecu	2011
14.	Killing-Yano tensors of rank three and Lax pair tensors	Romanian Journal of Physics vol. 57 nos. 5-6, p. 1002-1010	Anca Visinescu, Mihai Visinescu	2012
15.	Bianchi type – VI model with cosmic strings in the presence of a magnetic field	Romanian Journal of Physics vol. 55 nos. 9-10, p. 1064-1074	Bijan Saha Mihai Visinescu	2010
16.	Killing-Yano tensors of rank three and Lax pair tensors	Romanian Journal of Physics vol. 57 nos. 5-6, p. 1002-1010	Anca Visinescu Mihai Visinescu	2012
17.	Dynamic single particle excitations in low-energy fission	Romanian Journal of Physics, vol. 57(1-2), p. 92-105	N. Carjan, M. Rizea	2012
18.	F-theory compactifications on manifolds with SU(3) structure	Rom. J. Phys. 57, 123	A. Micu	2012
19.	A convenient coordinatization of Siegel-Jacobi	arXiv: 1204.5610v1 [math.DG	S. Berceanu	2012
20.	Simple systematics for alpha-decay half-lives of superheavy nuclei	Journal of Advanced Research in Physics, 2, 011101.	I. Silisteanu, A. I. Budaca, A. O. Silisteanu and C. I. Anghel	2011
21.	Metallic atomic clusters	Romanian Journal of Physics 57 431–441	D. N. Poenaru, R. A. Gherghescu, W. Greiner	2012
22.	Properties of Two-Level Systems in Disordered Materials	Rom. J. Phys. 55, 903	D. V. Anghel	2010
23.	Properties of fractional exclusion statistics in interacting particle systems	Rom. J. Phys. 54, 281	D. V. Anghel	2009
24.	Anisotropic Interaction between Two-Level Systems	Rom. J. Phys. 54, 65	D. V. Anghel	2009
25.	Evolution of continuous variable correlations in open quantum systems	Romanian Journal of Physics 57 262-274	A. Isar	2012
26.	Continuous variable entanglement in a thermal environment	Romanian Journal of Physics 55 995-1005	A. Isar	2010

27.	Entanglement dynamics in open systems	Romanian Reports in Physics 61 627-640	A.Isar	2009
28.	A uniform asymptotic approximation of the 3D scattering wavefunction for a central potential	Roum. J. Phys. 55, pp. 569-584	N. Grama, C. Grama, I. Zamfirescu	2010
29.	Alpha-decay data of superheavy nuclei as a source of information about nuclear states	Romanian Journal of Physics, 57, 493–505.	I. Silisteanu, and A. I. Budaca	2012
30.	Alpha-decay as sensitive tool to derive nuclear shell structure of superheavy nuclei	Romanian Reports in Physics, 63, 1147–1166.	A. I. Budaca, and I. Silisteanu	2011
31.	Systematics of alpha-decay half-lives of the heaviest elements	Romanian Journal of Physics, 55, 1088-1110.	I. Silisteanu, A. I. Budaca and A. O. Silisteanu	2010
32.	On the atomic binding energy in the Thomas-Fermi model	Romanian Journal of Physics 55, 913	M. Apostol and L. C. Cune	2010
PN 09 37 01 03				
1.	Rate Capability of a High Efficiency Transition Radiation Detector	Rom. Journ. Phys., Vol.55, No. 3-4 , 324	M. Petris, M. Petrovici, D.Bartos, I. Berceanu, V. Simion, A. Radu, A. Andronic, C. Garabatos, M.Klein-Boesing, R. Simon, F. Uhlig, J.P.	2010
2.	Strip Readout RPC Based on Low Resistivity Glass Electrodes	Rom. Journ. Phys., in press	M.Petris M.Petrovici, V.Simion, D.Bartos, G. Caragheorgheopol, F. Dorhmann, K.D. Hildenbrand, B. Kaempfer, R. Kotte, L. Naumann, D. Stach, M.C.S. Williams, J. Wuenstenfeld	2010
3.	A Two-Dimension Position Sensitive High Efficiency Transition Radiation	Rom. Journ. Phys., in press	M. Petrovici, V. Simion, M. Petris, V. Aprodu, D. Bartos, G. Caragheorgheopol, V. Catanescu, A. Herghelegiu, L. Prodan, A. Radu, C. Bergmann, M. Klein-Boesing, J. P. Wessels	2010
4.	DYNAMICAL AND THERMODYNAMICAL PROPERTIES OF INCOMPLETE FUSION EVENTS AT 25 MeV/NUCLEON	International Journal of Modern Physics E (IJMPE) 19,1170	I. LOMBARDO, C. AGODI, R. ALBA, F. AMORINI, A. ANZALONE, I. BERCEANU , G. CARDELLA, S. CAVALLARO, M. B. CHATTERJEE, R. CONIGLIONE, E.	2010

			DEFILIPPO, A. DIPIETRO, P. FIGUERA, E. GERACI, G. GIULIANI, L. GRASSI, A. GRZESZCZUK, E. LA GUIDARA, G. LANZALONE, N. LE NEINDRE, C. MAIOLINO, A. PAGANO, M. PAPA, S. PIRRONE, G. POLITI, A. POP et al	
5.	Track reconstruction algorithms for the CBM experiment at FAIR	Journal of Physics: Conference Series, vol. 219 032048	Andrey Lebedev, Claudia Höhne, Ivan Kisel, Gennady Ososkov for the CBM collaboration	2010
6.	Toward a high granularity and high counting rate, differential readout timing MRPC	Accelerators, Spectrometers, Detectors and Associated Equipment, in press, Available online 28 October 2010	M. Petris, M. Petrovici, V. Simion, D. Bartos, G. Caragheorgheopol et al	2010
7.	The CBM time-of-flight wall	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, in press, Available online 7 October 2010	I. Deppner, N. Herrmann, D. Gonzalez-Diaz, V. Ammosov, J. Cheng, M. Ciobanu, V. Gapienko, K.D. Hildenbrand, A. Kiseleva, M. Kis, D. Kresan, R. Kotte, C. Huangshan, Y. Leifels, J. Fruehauf, C. Li, Y. Li, P.-A. Loizeau, L. Naumann, M. Petrovici, M. Petris, A. Semak, V. Simion et al	2010
8.	Systematics of central heavy ion collisions in the 1 A.GeV regime	Nucl. Phys. A 848 , 366	W. Reisdorf and the FOPI Collaboration	2010
9.	. Ring recognition and electron identification in the RICH detector of the CBM experiment at FAIR	Journal of Physics: Conference Series, vol. 219, 032015	S. Lebedev, C. Höhne, G. Ososkov for the CBM collaboration	2010
10.	. Measurement of $K^*(892)0$ and $K0$ mesons in Al+Al collisions at 1.9A GeV	Phys. Rev. C 81, 061902	X. Lopez and the FOPI Collaboration	2010
11.	. Highly parallel algorithm for high p(T) physics at FAIR-CBM	Journal of Physics: Conference Series, vol. 219, 022032	A. Fulop, G. Vesztergombi for the CBM Collaboration	2010
12.	CBM experiment at FAIR	Acta Physica Polonica B, vol. 41, No.2, 341	Pawel Staszal for the CBM Collaboration	2010
13.	Studying strange meson production with FOPI	International Journal of Modern Physics A 24, 1-278	O.N. Hartmann for the FOPI collaboration (M. Petrovici, V. Simion)	2009
14.	Isospin dependence of	Physical Review Letters vol. 102	F.Amorini, G.Cardella,	2009

	incomplete fusion reaction at 25 MeV/A	(2009) issue 11, 112701	G.Giuliani, M.Papa, C.Agodi, R.Alba, A.Anzalone, I.Berceanu, S.Cavallaro, M.B.Chatterjee, R.Coniglione, E.De Filippo, A.Di Pietro, E.Geraci, L.Grassi, A.Grzeszczuk, P.Figuera, E.La Guidara, G.Lanzalone, N.Le Neindre, I.Lombardo, C.Maiolino, A.Pagano, S.Pirrone, G.Politi, A.Pop et al	
15.	Isospin Effects in Heavy-Ion Collisions: Some Results From CHIMERA. Experiments At LNS And Perspectives With Radioactive Beams	AIP Conf. Proc. May 4, 2009, Volume 1120, pp. 38-43	G. Cardella, F. Amorini, A. Anzalone, N. Arena, L. Auditore, R. Barnă, A. Benisz, Berceanu, M. B. Chatterjee, S. Cavallaro, E. De Filippo, U. Emanuele, W. Gawlikowicz, E. Geraci, L. Grassi, G. Giuliani, A.Grzeszczuk,P. Guazzoni, S. Kowalski, E. La Guidara, G. Lanzalone, I.Lombardo, S. Lo Nigro, D. Loria, C. Maiolino, N. G. Nicolis, A. Pagano,M. Papa, Pawelczak,M. Petrovici, S. Pirrone, R. Planeta, G. Politi, A.Pop et al	2009
16.	Self-consistent description of coexistence phenomena in medium mass nuclei	AIP Conference Proceedings, 1034, 54	A. Petrovici, K. W. Schmid, O. Andrei, A. Faessler	2010
PN 09 37 01 04				
1.	Quantum Encrypted Data Transfers in Grid	cap. 5 in <i>Advances in Grid Computing</i> , Edited by Zoran Constantinescu, InTech, ISBN 978-953-307-301-9, p. 73 - 94	M. Dima, M. Dulea, A. Dima, M. Stoica, M. Udrea	2011
2	Ab initio study of point-like defects influence on charge transport in AlN nanowires	Digest Journal of Nanomaterials and Biostructures, Vol. 6, No 3, p. 1173-1177 (ISI 2,078)	C. Visan, T.L. Mitran, A. Nicolaev, G.A. Nemnes, L Ion, S. Antohe	2011
3	Formation of Faraday and Resonant Waves in Driven Bose-Einstein Condensates	Romanian Reports in Physics, Vol. 64, no. 1, R 105-111, 2012	M.C. Raportaru	2012
4	Preliminary results of neutrino interactions study using GENIE event generator	Romanian Reports in Physics, vol. 64, no. 3, http://rrp.infim.ro/2012_64_3.html	D.Chesneanu, A.Jipa, I.Lazanu, R.Margineanu, B.Mitrica	2012
5	Neutrino Energy	Romanian Journal of Physics, Vol.	D. Chesneanu, A. Jipa	2012

	Reconstruction in Neutrino-Nucleus Interactions	57, Number 7-8, http://www.nipne.ro/rjp/2012_57_7-8.html		
PN 09 37 01 05				
1.	Fuzzy Clustering Algorithm for Gamma Ray Tracking in Segmented Detectors	Romanian Reports in Physics Volume: 62 Issue: 1 Pages: 27-36	G Suliman, D Bucurescu	2010
2.	Gamma-Ray Production in the Ni-58(O-16,X) Nuclear Reaction	Romanian Journal of Physics Vol 55 Issue: 7-8 Pages: 712-723	A Mihailescu, Gh Cata-Danil	2010
3.	Arc Discharge Ion Source Development at CERN ISOLDE	University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics And Physics Volume: 72 Issue: 2 Pages: 121-132	M Gugiu et al	2010
4.	Residual Nuclides Produced by 290 MEV/U C-12 Ions Beam in a Liquid Water Target	Romanian Reports in Physics Volume: 62 Issue: 1 Pages: 37-46	Gh Cata-Danil et al	2010
5.	Monte Carlo Investigation of Light-Ions Fragmentation In Water Targets	University Politehnica Of Bucharest Scientific Bulletin- Series A Vol 72 Issue 1 Pages: 3-8	Gh Cata-Danil et al	2010
6.	Plasmons, Polaritons And Diffraction of The Electromagnetic Field For An Infinite Circular Cylinder	Romanian Journal of Physics Volume: 55 Issue 5-6 Pages: 493-509	M Apostol, G Vaman	2010
7.	Attraction Force Between a Polarizable Point-Like Particle And A Semi-Infinite Solid	Romanian Journal of Physics Volume: 55 Issue: 7-8 Pages: 764-771 Published: 2010	M Apostol, G Vaman	2010
8.	Nuclear And Nuclear Related Analytical Methods Applied In Environmental Research	Romanian Journal of Physics Volume: 55 Issue: 7-8 Pages: 821-829 Published: 2010	IV Popescu et al	2010
9.	Pixe Analysis of Multielemental Samples	Romanian Journal Of Physics Volume: 55 Issue: 7-8 Pages: 806-814 Published: 2010	A Ene et al	2010
10.	STUDIES OF THE HIGH ENERGY MUON FLUX IN UNIREA SALT MINE FROM SLANIC PRAHOVA	ROMANIAN REPORTS IN PHYSICS Volume: 62 Issue: 4 Pages: 750-757	B Mitrica et al	2010
11.	MEASUREMENTS OF THE ATMOSPHERIC MUON FLUX IN THE UNDERGROUND OF SLANIC PRAHOVA SALT MINE	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 73 Issue: 3 Pages: 203-212	B Mitrica et al	2011
12.	MEASUREMENTS OF THE COSMIC MUON FLUX WITH THE WILLI DETECTOR AS A SOURCE OF INFORMATION ABOUT SOLAR EVENTS	ROM. JOUR. PHYS. 56, 664-672, 2011	A Saftoiu et al	2011
13.	PRIMARY ENERGY RECONSTRUCTION FROM THE S(500) OBSERVABLE RECORDED WITH THE KASCADE-GRANDE	ROM. REP. PHYS. 63, 383-393, 2011	G Toma et al	2011

	DETECTOR ARRAY			
14.	PIXE analysis of some vegetable species	Rom. Rep. Phys. 63, 997-1008, 2011	A Pantelica et al	2011
15.	Characterization of metallurgical slags using low-level gamma-ray spectrometry and neutron activation analysis	Rom. Jour. Phys. 56, 1011-1018, 2011	A Ene, A Pantelica	2011
16.	EDXRF and INAA analysis of soils in the vicinity of a metallurgical plant	Rom. Jour. Phys. 56, 993-1000, 2011	A Ene et al	2011
17.	Pt L X-Ray production cross sections by ^{12}C , ^{16}O , ^{32}S and ^{48}Ti ion-beams in the MeV/u energy range	Rom. Jour. Phys. 56, 71-79, 2011	M Gugiu et al	2011
18.	STATUS OF THE NEW AMS FACILITY IN MAGURELE: THE CENTER OF RADIOCARBON FOR ENVIRONMENT AND BIOSCIENCES	ROM. REP. PHYS. 63, 923-929, 2011	A Olariu et al	2011
19.	Measurements with heavy ions on polycrystalline CVD-diamond	Rom. Jour. Phys. 56, 80-85, 2011	D Fluierasu et al	2011
20.	SIMULATION OF ELECTROMAGNETIC SHOWERS IN SALT PERFORMED WITH GEANT4	ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 314-324	A Saftoiu et al	2012
21.	RADIO DETECTION OF COSMIC RAY AIR SHOWERS WITH LOPES	ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 308-313	I Brancus et al	2012
22.	RADIO TECHNIQUE FOR INVESTIGATING HIGH ENERGY COSMIC NEUTRINOS	ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 281-293	A Saftoiu et al	2012
23.	ABOUT THE POSSIBILITY TO MEASURE SOME STANDARD MODEL PARAMETERS AND SEARCH FOR NEW PHYSICS WITH LOW ENERGY NEUTRINOS	ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 24-32	I Brancus et al	2012
24.	STRUCTURE OF $(70,72)\text{Ge}$ NUCLEI POPULATED IN $\text{C-}^{12}, \text{C-}^{13} + (\text{NI}) - \text{N-}^{64}$ REACTIONS	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A- Volume: 74 Issue: 1 Pages: 183-194	G Drafta et al	2012
PN 09 37 01 06				
1.	A new analytic approximation for the energy eigenvalues of a finite square well	Rom.Rep.Phys. 64, no. 3	V.Barsan	2012
2.	Hamiltonian Renormalization with Applications to the Quantum Quartic Oscillator	Rom. Journ. Phys. Vol. 55 , 539–567	G. Ciobanu, V. Bârsan, A.T. Mincu	2010
3	Shape- and topology-dependent specific heat of	arXiv:1204.0384	V. Barsan	2012

	few-particle systems”			
PN 09 37 02 01				
1.	On homogeneity of volume sources in gamma ray spectrometry	Annals of the University of Bucharest	E. Stancu,	2011
2	Complex gamma ray spectra analysis	Romanian Reports in Physics, Vol. 63, No. 4, P. 975–987	R. Suvaila, O. Sima	2011
3	Gamma-ray spectroscopy for artificial contamination effects evaluation in luminescence dating of artefacts from low depth layers in southern Romania	Romanian Reports in Physics, Vol. 64, No. 2, P.	R. Suvaila, O. Sima, M. Virgolici, C. C. Ponta, M. Cutrubinis, E. S. Teodor, C. M. Nicolae	2012
PN 09 37 02 02				
1.	Preliminary Experiments of Tapered Glass Capillary Optics Used as Focusing Systems for MeV Ion Beams	UPB SCIENTIFIC BULLETIN/2010	Dorin DUDU, Ion VATA, Paul SCHIOPU	2010
2	The characterization of alpha particles micro beams obtained with tapered glass capillaries	Romanian Journal of Physics (in curs de publicare)	D. Dudu, O. Muresan, S. Nitisor, I. Rusen, H. Schubert, I. Vata	2012
PN 09 37 02 03				
1.	Review Of Nuclear Technological Transfer As Support Of The Best Future Performance	Jurnalul de Stiinta si Arta - JOSA Year 10, No. 2 (13), pp. 371-378, 2010	Radulescu L., Pavelescu M.	2010
2.	Technology transfer mechanism in nuclear physics, applied to achieve an experiment to study cosmic rays”	Romanian Reports in Physics, Vol.63, No. 3, September 2011	Radulescu L. , Bercea S., Scarlat F, Pavelescu M.	2011
3.	Construction of a Device for Compass Experiment at CERN	Progress of Cryogenics and Isotopes Separation, Volume 14, issue 2/2011, p.49-56, ISSN: 1582-2575	Radulescu L., Pavelescu M.	2011
4.	The Linear-non-threshold Principle of The International Commission on Radiological Protection. Comments	“Romanian Journal of Physics” vol. 56, nr. 9-10, pg. 1145 – 1149	Avadanei C., Grigorescu E.	2011
PN 09 37 02 04				
1.	ELEMENTAL MAPPING OF MOON SOIL LAND METEORITE FRAGMENTS	Romanian Journal of Physics, vol. 54(5-6), pp. 491-499, (2009).	A. Vasilescu, B. Constantinescu, R. Bugoi, D. Ceccato	2009
2.	MEDIEVAL SILVER COINS ANALYSES BY PIXE AND ED-XRF TECHNIQUES	Romanian Journal of Physics, vol. 54(5-6), pp. 481-490, (2009).	B. Constantinescu, R. Bugoi, E. Oberländer-Târnoveanu, K. Pârvan	2009
3.	SOME APPLICATIONS OF X-RAY BASED ELEMENTAL ANALYSIS METHODS FOR STUDIES ON ROMANIAN GOLD MINERALS	Romanian Reports in Physics vol. 62, no.1, (2010), in press	B. Constantinescu, Catalina Pauna, Angela Vasilescu, F. Constantin, Daniela Stan, Gh. Popescu, Antonela Neacsu	2009
4.	PRELIMINARY RESULTS ON	<i>INCS News, Special Radioanalytical</i>	B. Constantinescu, A.	2009

	MICRO-ELEMENTAL ANALYSIS OF SOME TRANSYLVANIAN METEORITES, LUNAR AND NATIVE GOLD SAMPLES	<i>Chemistry Issue. 23rd Issue, Vol.VI, No.3, July 2009, pp.32-37</i>	Vasilescu, D. Ceccato, C. Ionescu and D.Pop	
5.	Boron Neutron capture therapy setup for a linear accelerator -	ROMANIAN JOURNAL OF PHYSICS Volume: 54 Issue: 7-8 Pages: 641-648 Published: 2009	Chiojdeanu, CF; Pavel, C; Constantin, F	2009
6.	STATUS AND PERSPECTIVES AT THE IFIN-HH CYCLOTRON FOR MATERIALS ANALYSIS AND CHARACTERIZATION	ROMANIAN REPORTS IN PHYSICS Volume: 61 Issue: 3 Pages: 501-512 Published: 2009	Craciun, L, Dudu, D., (Hermann, Sch, Ivanov, E.A, Racolta, P. M., Rusen, I., Vata, I.	2009
7.	THE CONSTRUCTION OF AN AUTOMATED SYSTEM FOR [18F] FDG SYNTHESIS DEDICATED TO RESEARCH	ROMANIAN JOURNAL OF PHYSICS Volume: 54 Issue: 3-4 Pages: 341-347 Published: 2009	Craciun L, Cimpeanu C, Constantinescu O, et al.	2009
8.	A COORDINATE SENSITIVE DETECTOR FOR PARTICLES GENERATED IN HIGH ENERGY REACTIONS	ROMANIAN REPORTS IN PHYSICS Volume: 61 Issue: 3 Pages: 513-521 Published: 2009	Cruceru M, Bartos D, Cruceru I, et al.	2009
9.	Dacian Bracelets and Transylvanian Gold: Ancient History and Modern Analysis	ARCHEOSCIENCES – Revue d’Archeometrie, Paris, vol 33, Ed. Centre National de la Recherche Scientifique, ISSN-0399-1237	B. Constantinescu, V. Cojocaru, R. Bugoi, M. Radtke, , D. Ceccato, Th. Calligaro, J. Salomon, E. Oberlaender-Tarnoveanu	2010
10.	GOLD AND SILVER COATING CHARACTERIZATION USING AN X-RAY FLUORESCENCE BASED METHOD - THE CASE OF ARCHAEOLOGICAL ARTIFACTS	Romanian Reports in Physics (2010)	CATALINA CHIOJDEANU, DANIELA CRISTEA STAN, B.CONSTANTINESCU	2010
11.	Micro-SR-XRF studies for archaeological gold identification - the case of Carpathian gold and Romanian museal objects	Applied Physics A 99, Issue 2(May 2010), 383-389, Synchrotron	B. Constantinescu, A. Vasilescu, M. Radtke, U. Reinholz	2010
12.	SOME APPLICATIONS OF X-RAY BASED ELEMENTAL ANALYSIS METHODS FOR ROMANIAN GOLD MINERALS STUDIES	Romanian Reports in Physics 62(1) (2010) 47-56	B. Constantinescu, C. Pauna, A. Vasilescu, F. Constantin, D. Stan, Gh. Popescu, A. Neacsu	2010
13.	Some considerations on Dacian gold coins of Koson type in the light of compositional analyses	Revue Numismatique vol.166, pp. 295-308	A. Vilcu, B. Constantinescu, R. Bugoi, C. Pauna	2010
14.	STUDIES OF GOLD MINERALS FROM METALIFERI MOUNTAINS USING X-RAY FLUORESCENCE METHODS	Romanian Journal of Mineral Deposits, vol. 84, pp 51-54	D. Cristea-Stan, B. Constantinescu, C. Pauna, A. Vasilescu, G. Popescu, A. Neacsu	2010
15.	COHERENT SCATTERING BY HIGH DEBYE-TEMPERATURE MONOCRYSTALS AND	Journal of Modern Physics A	Madalina Cruceru, G.Nicolescu, I.Cruceru, O.G.Duliu	2010

	DETECTION OF SOLAR NEUTRINOS			
16.	Gold and Silver Coating Characterization Using an X-Ray Fluorescence Based Method - The Case of Archaeological Artifacts	Romanian Reports in Physics Vol.63, no.3 (2011) 685-692	B. Constantinescu	2011
17.	Archaeometrical studies using X-Ray Fluorescence methods	AIP Conference Proceedings vol 1231 (2010) 187-188, Basic Concepts in Nuclear Physics: Theory, Experiments and Applications, La Rabida, Spain, 4-10 July 2009, ISBN 978-0-7354-0776-3, April 2010	C Chiojdeanu	2011
18.	A versatile counter for conversion MÃ,ssbauer spectroscopy	Romanian Journal of Physics Volume 56, Numbers 1-2, 2011	G. Nicolescu	2011
19.	COINCIDENCE DOPPLER BROADENING POSITRON ANNIHILATION SPECTROSCOPY STUDIES OF POLYURETHANE MEMBRANES	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 6 Issue: 2 Pages: 543-548 Published: APR-JUN 2011	F. Constantin	2011
PN 09 37 02 05				
1.	National and international comparisons on radiopharmaceuticals' activity measurement	Romanian Journal of Physics, Vol. 55, Nos. 7-8, pag. 733-740, Bucharest	M. Sahagia, A.C. Watjen, A. Luca, C. Ivan, A. Antohe	2010
2.	Update of the ongoing comparison BIPM.RI(II)-K1.Co-60 including activity measurements of the radionuclide ⁶⁰ Co for the IFIN-HH (Romania), NIST (USA) and the BEV (Austria)	Metrologia 2010 vol. 47 Tech. Suppl. 06010	C. Michotte, S. Courte, G. Ratel, <u>M. Sahagia</u> , A.C. Wätjen, R. Fitzgerald, F.-J. Maringer	2010
3.	Activity measurements of the radionuclide ⁵⁷ Co for the NIST, USA and the IFIN-HH, Romania in the ongoing comparison BIPM.RI(II)-K1.Co-57	Metrologia 2012 vol. 49 Tech. Suppl. 06005	C. Michotte, G. Ratel, S. Courte, R. Fitzgerald, <u>M. Sahagia</u>	2012
PN 09 37 02 06				
1	Preparation of human serum nanospheres labelled with ¹⁸⁸ Re.	Int. J. Nano and Biomaterials, Vol. 2, No. 6 pag. 547- 553	V.N. Borza, E. Neacsu , C.M. Barna, N. Popescu-Pogrion ,I. Mercioniu, C.L. Nistor	2009
2	Purification and quality control of ⁶⁸ Ga eluates from ⁶⁸ Ge/ ⁶⁸ Ga generator	Romanian Reports in Physics, 63, No 4 (2011)	Ioana Patrascu, Dana Niculae, Valeria Lungu, Ioan Ursu, Marina Iliescu, Catalin Tuta, Andrei Antohe	2011
PN 09 37 03 01				
1	Radon levels assessment in some Northern Romanian salt mines	J. Radioanal Nucl. Chem., DOI 10.1007/s10967-012-1686-1	Calin M.R. , Zoran M., Calin M.A.	2012

2	Decommissioning Research Reactors: A Case of a Reference Accident Scenario.	Rom. Rep.Phys., Vol.63, No.1, pp. 43-60	Vamanu D.V., Slavnicu S.D, Galeriu D., Acasandrei V.T., Gheorghiu D., Melintescu A.	2011
3	Research and application in the laboratory for environmental and personnel dosimetry	Rom. Rep.Phys., Vol.56, No. 5-6	Stochioiu A. and al	2011
4	Dose measurements in teletherapy using thermoluminescent dosimeters	Rom. Rep.Phys.,Vol.63, No.3, Pag. 700-706	Ghitulescu Z., Stochioiu A. , Dumitrache M.	2011
5	The characterization of the radioactivity in the Cacica salt mine	Rom. Rep.Phys. 63 (2), 483 – 502.	Calin M.R. and al	2011
6	Basic Aspects Concerning the Validation of the Measuring Method Using a New Spectrometric Gamma System with HPGe Detector	Rom. Rep.Phys., Vol. 56, Nr. 9-10, pp 1108-1115,	Saizu M.A., Calin R.	2011
7	Environmental Modeling for Blue Collars	Int. J. Environ.Pollution, ISSN (Online): 1741-5101 - ISSN (Print): 0957-4352, Vol. 46, Nos. 3/4, pp. 246–266	Vamanu D.V., Gheorghe A.V., Acasandrei V.T., Vamanu B.	2011
8	Ormosils scaffolds produced by laser processing for fibroblast cell growth	Dig. J. Nanomater. Bios., Vol. 6, No 1, pg. 29-35	Matei A., Dinescu M., Buruiana E.C., Buruiana T., Petcu II, Mustaciosu C.	2011
9	Experimental results for the validation of the iodine-131 monitoring method in thyroid	Rom. Rep.Phys., Vol. 63, Nr.3, pp 723-728	Saizu M.A.	2011
10	The Food Handbook Companion: A 'Serious Game' to Get-Acquainted and Customize On-The-Fly.	NERIS Newsletter, 1 (2010)	Turcanu C., Vamanu D.	2010
11	Dealing with next generation infrastructures academic programmes complexity induced resiliency assessment.	Int.J. of Critical Infrastructures, 6, 4, 347-362 (2010)	Calida B.Y., Gheorghe A.V., Unal R., Vamanu D.	2010
12	Urban vulnerabilities: think simple.	Int.J. of Critical Infrastructures, 6, 3, 304-325 (2010)	Vamanu D.V., Gheorghe A.V., Acasandrei V.T.	2010
13	Resilience and vulnerability in critical infrastructure systems – a physical analogy	Int.J. of Critical Infrastructures, 5, 4, 389-397 (2009)	Gheorghe A.V., Vamanu D.V.	2009
14	Synthesis of enzymatic marker 3,6-dichloro-2-methoxy-benzoic-alkaline phosphatase and evaluation of the affinity against homologue antipeptide antibody	Rom. J. Biophys. 19, pg. 63-72	Dorobantu I., Harangus L., Radu M.	2009

15	Decision support systems and emergency response exercises - lessons and issues	Radioprot., vol. 44, no. 5, pp 97-101, ISBN: 978-2-7598-0447-4	Slavnicu D.S., Vamanu D.V., Gheorghiu D., Acasandrei V.T., Vamanu B.I.	2009
16	Basic features of sensory neurons from dorsal root ganglia in TCR-HA+/-/ RIP-HA+/- mice	Rom. J. Biophys. 19, pg. 83-95	Radu B.M., Iancu A.D., Marin A., Radu M. and al	2009
17	Effect of GppNHP on GIRK currents in dorsal raphe nucleus neurons from 5HTT-/- mice	Rom. J. Biophys. 19, pg. 159-170	Radu B.M., Radu M. and al	2009
18	NIPNE-HH Whole Body Counting Laboratory- Eight Years of Notified Activity. Statistics On Monitoring Data,	Rom. Rep. Phys., Vol.61(2009) Nr.4, 662-668	Saizu M.	2009
19	Synchronous and periodic calcium oscillations in neuronal networks formed by sensory neurons in primary culture.	Rom. J. Biophys. 19: 159-170;	Radu B.M., Radu M. and al	2009
20	Low-dose monitoring for occupational exposure and the influence of measurement accuracy, Int.J. Low Radiation	Int. J. Low Radiat., Vol. 6, No. 1	Mihai F., Bercea S., Stochioiu A., Tudor I.	2009
21	Epithermal neutrons activation analysis. Radiochemical and Radiometric investigations of evaporitic deposits of Slanic-Prahova (Romania) salt mine	Radiochimica Acta, 333-337, 2009	Cristache C., Simion C.A., Margineanu R.M. and al	2009
22	Interaction between ceftazidime and bacterial porin ompf analyzed by fluorescence.	Rom. J. Biophys. 19: 105-116;	Bacalum M., Weingart H., Radu M.	2009
23	Accidental release of tritiated water - toward a better radiological assessment.	Radioprotection, volume 44, no.5, Pag. 177-184, ISBN 978-82-90362-25-1. Nr. citari: 1	Galeriu D., Melintescu A., Slavnicu D., Simionov V.	2009
24	TLD system for the monitoring of the environmental radioactivity.	Rom. J. Phys., Vol..54, No.7-8, Pages 711-719,	Stochioiu A., Sahagia M., Tudor I.	2009
25	Resilience and vulnerability in critical infrastructure systems – a physical analogy	Int.J. of Critical Infrastructures, 5, 4, 389-397 (2009)	Gheorghe A.V., Vamanu D.V.	2009
PN 09 37 03 02				
1.	A method of efficiency calibration for disk sources in gamma ray spectrometry	Rom. Rep. Phys. 61 (2009) 203-213	Radu, D., Stanga, D., Sima, O.	2009
2.	An ENAA and PGAA comparative study of anoxic Black Sea sediments	Journal of Radioanalytical and Nuclear Chemistry , Volume 279, Number 1	Carmen I. Cristache, Octavian G. Dului, Katalin Gmeling, Otilia	2009

			Culicov, Magdalena Toma	
3.	ENAA Studies of pollution in anoxic Black Sea sediments	Marine pollution buletin, Volume 58, Issue 6, Pages 827-831	Octavian G. Dului , Carmen Cristache, Gheorghe Oaie, Otilia A. Culicov, Marina V. Frontasyeva, Magdalena Toma	2009
4.	Simulation of gamma ray spectra for complex measurement systems using GEANT 3.21	Rom. Rep. Phys. 62 (2010) 744-749	Radu, D., Sima, O.	2010
5.	Study of structure and dynamics relaxation phenomena in complex disordered systems, resulting from hydration of the cement pastes, using the neutron scattering techniques	Romanian Reports in Physics, Vol. 62, No.4. P.791-800.(2010)	Dragolici, C., Dragolici, F.	2010
6.	Transfer of detector efficiency calibration from a point source to other geometries using ETNA software	Rom. Rep. Phys. 62 (2010) 57-64	Radu, D., Stanga, D., Sima, O.	2010
7.	Determination of the diffusive motion of water molecules in hydrated cement paste by quasielastic neutron scattering	Romanian Report in Physics, Vol. 63, No. 2, p. 465-470, 2011	Dragolici C., Dragolici F.	2011
8.	Good practices in decommissioning planning and pre-decommissioning activities for the Magurele VVR-S nuclear research reactor	Nuclear Technology & Radiation Protection, 2011, vol. 26, no.1, pp. 84-91,	Mitica Dragusin, Alexandru Octavian Pavelescu, and Ioan Iorga	2011
9.	Romania-new engineering solutions	Nuclear & Environmental Safety, special edition, no.1/2011, pp. 72-76, ISSN 1997-6992	I. Bolshinsky, K. Allen, L. Biro, M. Dragusin, B.A.Kanashov, M.E.Budu,	2011
10.	Experimental Analysis of Water Diffusion in Hydrated Cement Paste Used for Radioactive Waste Conditioning	J. Environ. Prot. Ecol., 12(2), p. 645-651	C. A. Dragolici, F. Dragolici	2011
11.	The examination function of ISOCART (Ortec) gamma ray spectrometry system using Monte Carlo simulations	Rom. Rep. Phys. 64 (2012).	Gurau, D., Sima, O.	2012
12.	Decommissioning of the VVR-S research reactor - radiological characterization	Rom. Rep. Phys. 64 (2012)	Ionescu, E., Gurau, D., Stanga, D., Dului, O.	2012

	of the reactor block			
13.	Modelling of the Dose Rates and Risks Arising from Hot-cells Clean-up Activities in the Decommissioning of the VVR-S Research Reactor	Romanian Reports in Physics, Vol. 64, No. 1/2012, ISSN 1221-1451, (2012)	A.O. Pavelescu, V. Popa, M. Dragusin	2012
14.	On the efficiency calibration for different systems used for the assay of radioactive waste containers	Romanian Reports in Physics, Volume 62, Number 4	M. Toma, C. Olteanu, L. Done, F. Dragolici, O. Sima	2010
15.	Characterization Studies of Radioactive Waste Drums Using High Resolution Gamma Spectrometric Systems	AIP Conf. Proc. -- January 21, Volume 1203, pp. 35-39	M. Toma, C. Cristache, L. Done, F. Dragolici, and O. Sima	2010

I.4. Studii, Rapoarte, Documente de fundamentare sau monitorizare care:

a) au stat la baza unor politici sau decizii publice:

Tip documet	Nr.total	Publicat în:
Hotărâre de Guvern		
Lege		
Ordin ministru		
Decizie preşedinte		
Standard		
Altele (<i>se vor preciza</i>)		

b) au contribuit la promovarea ştiinţei şi tehnologiei – evenimente de mediatizare a ştiinţei si tehnologiei

Tip eveniment	Nr. aparitii	Nume eveniment
web-site		
Emisiuni TV	2	PN 09 37 01 01: Experimentul ATLAS de la LHC
Emisiuni Radio	10	PN 09 37 01 01: Experimentul ATLAS de la LHC
Presa scrisa / electronica		
Carti PN 09 37 01 06	1	Waveguides, Resonant Cavities, Optical Fibers and their Quantum Counterpart, in : Trends in electromagnetism, Intech 2011, V. Barsan

PN 09 37 03 02	1	Trends in electromagnetism, Intech, 2011, V. Barsan
	1	Exotic Nuclei and Nuclear/Particle Astrophysics (III), American Institute of Physics, 2010, L. Trache, S. Stoica, A. Smirnov
	1	Analiza sistemelor de depozitare finala a deseurilor radioactive in roca de granit, editura AOSR, autor A. Pavelescu
Reviste		
Bloguri		
Altele PN 09 37 03 02	1	IAEA - TECDOC 1619 - Licence Applications for Low and Intermediate Level Waste Predisposal Facilities : A Manual for Operators

II. Tehnologii, procedee, produse informatice, rețele, formule, metode și altele asemenea:

Tip	Nr. Total din care pe ani	2009	2010	2011	2012
Tehnologii					
Procedee	1			1	
Produse informatice	4	0	3	1	0
Rețele	2	1		1	
Formule					
Metode	8	3	1	3	1
Altele asemenea	2	0	0	2	0
PN 09 37 01 03 : ISyMAB - Integrated System for Modeling and data Analysis of complex Biomolecules, http://wiki.hpsee.eu/index.php/ISyMAB , https://hpc.ifin.ro/				1	
PN 09 37 02 02 : Dispozitiv de trecere pt. sistemele cu fibra optica rezistent la diferenta de presiune				1	

Din care:

II.1 Brevete de invenție, certificate de înregistrare a desenelor și modelelor industriale și altele asemenea:

	Nr. Brevete	Anul înregistrării/ acordării	Autorul/Autorii	Numele brevetului
PN 09 37 01 03				
OSIM	17			
	1	2010	Mihai Petrovici; Daniel Bartos; Gh. Caragheorgheopol ; Mariana Petris; Victor Simion , Viorel Duta	Brevet Nr. RO125481, OSIM A-00635, Resistive plate chamber detector for time of flight measurements comprises central electrode reading tracks made of copper and high resistivity electrodes
	1	2010	Mihai Petrovici; Daniel Bartos; Gh. Caragheorgheopol ; Mariana Petris; Victor Simion	Brevet Nr. RO125480, OSIM A-00570, High efficiency, high counting rate and high position resolution transition radiation detector with two axes of references
	1	2011	Gheorghe Mateescu, Alice Mateescu	Methode for lubricant and dry wear resistant vacuum thin film coating of the metallic parts, based on wolfram disulfide (WS2), from a new composed material (WS2 + C) by PVD Gheorghe Mateescu, Alice Mateescu methods (standard magnetron sputtering, ionized magnetron sputtering, etc.)
	1	2011	Gheorghe Mateescu, Alice Mateescu	Methode for lubricant and dry wear resistant vacuum thin film coating of the metallic parts, based on wolfram disulfide (WS2), from a new composed material (WS2 + Metal) by PVD methods (standard magnetron sputtering, ionized magnetron sputtering, etc.)
	1	2011	Gheorghe Mateescu, Alice Mateescu	Methode for lubricant and dry wear resistant vacuum thin film coating of the metallic parts, based on wolfram disulfide (WS2), from a new composed material (WS2 + Metal + C) by PVD methods (standard magnetron sputtering, ionized magnetron sputtering, etc.)
	1	2011	Gheorghe Mateescu, Alice Mateescu	Methode for achievement of vacuum multiple tribologic thin films with complementary-

			cummulative properties by Physical Vapor Deposition (PVD) or Ionozed Physical Vapor Deposition (IPVD) methodes
PN 09 37 02 02			
OSIM	1	2011/-	D. Sporea, A. Sporea, I. Vata, I. Rusen, M. Ciupitu.
PN 09 37 02 06			
OSIM	1	2010	C. Postolache
	1	2010	C. Postolache
PN 09 37 03 01			
OSIM	1	2011 / -	Marian Romeo Calin
	1	2011 / -	Ioan Dorobantu, Livia Neagu
	1	2010 / -	Marian Romeo Calin
OSIM	1	2010 / -	Marian Romeo Calin
	1	2010 / -	Ioan Dorobantu, Livia Neagu
	1	2010 / -	Ioan Dorobantu, Livia Neagu

cummulative properties by Physical Vapor Deposition (PVD) or Ionozed Physical Vapor Deposition (IPVD) methodes

PN 09 37 02 02

Dispozitiv de trecere pentru sistemele cu fibra optica rezistent la diferenta de presiune

PN 09 37 02 06

Stand portabil si procedee de calibrare monitoare de tritiu gaz, A/01124

Procedeu de determinare a concentratiei radioactive a apei tritiate prin spectrometrie de rezonanță electronică de spin, A/1125

PN 09 37 03 01

Procedeu de realizare a detectorului de radiatii cu presiune tip camera de ionizare sferica, A/00451/10.05.2011

Procedeu de obținere a nanoimunosorbentului bioxid de siliciu-aminopropiltriectoxisilan-glutaraldehyd-ovalbumina-trenbolona utilizat în tehnica ELISA de dozare a trenbolonei. A/01408/16.12.2011

Metoda de microrare a fondului propriu al unui sistem spectrometric, A/00069/27.01.2010

Procedeu de realizare a detectoarelor de radiatii cavitare, A/00219/08.03.2010

Procedeu de obținere a nanoimunosorbentului bioxid de siliciu-aminopropiltriectoxisilan-glutaraldehyd anticorp anti acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic, A/00975/14.10.2010

Procedeu de obținere a nanoimunosorbentului bioxid de siliciu-aminopropiltriectoxisilan-glutaraldehyd-albumina serica de bovina-acid 3,6-dicloro-2-metoxibenzoic utilizat în tehnica ELISA de dozare a pesticidului acid 3,6-dicloro-2-metoxibenzoic, A / 01271 / 02.12.2010

PN 09 37 03 02			
OSIM	1	2009	Mitica Dragusin Procedeu de obtinere a absorbantilor si dispozitivelor de aplicare pentru gestionarea in siguranta a substantelor toxice si periculoase
	1	2009 / -	Gheorghe Dogaru, Felicia Dragolici, Ghe. Rotarescu, C. Turcanu, Laura Ionascu Coletul pentru stocarea pe termen lung a deseurilor radioactive CSM-SS-ALFA, A/01296 / 08.12.2010
EPO			
USPTO			

III. Structura de personal:

Personal CD (Nr.)	2009	2010	2011	2012
Total personal CD	336	320	350	333
cu studii superioare	257	247	258	234
cu doctorat	177	163	173	139
doctoranzi	33	34	32	32

III.1 Lista personalului de cercetare care a participat la derularea Programului nucleu:

Nr.	Nume și prenume	Grad	Funcția	CNP	Echivalent normă întreagă	Anul angajării	Nr. Ore lucrate/ An 2009	Nr. Ore lucrate/ An 2010	Nr. Ore lucrate / An 2011	Nr. Ore lucrate/An 2012
PN 09 37 01 01										
1.	Alexa Calin	CS 1	Director proiect							
2.	Bragadireanu Mario	CS 3	executant							
3.	Caprini Mihai	CS 1	executant							
4.	Coca Cornelia	CS 1	executant							
5.	Muresan Raluca	CS 2	executant							
6.	Olariu Albert	CS	executant							
7.	Orlandea Marius	CS	executant							
8.	Pantea Dan	CS 2	executant							
9.	Chesneanu Daniela	ASC	executant							
10.	Rotaru Marina	CS 3	executant							

11.	Stoica Gabriel	CS 2	executant							
12.	Teodorescu Eliza	CS	executant							
13.	Dita Sanda	CS 1	executant							
14.	Badescu Elisabeta	CS 2	executant							
15.	Acatrinei Ciprian	CS 1	executant							
16.	Anghel Dragos	CS 1	executant							
17.	Apostol Marian	CS 1	executant							
18.	Ixaru Liviu	CS 1	executant							
19.	Bundaru Mircea	CS 2	executant							
20.	Berceanu Stefan	CS 1	executant							
21.	Caprini Irinel	CS 1	executant							
22.	Carstea Stefan	CS 1	executant							
23.	Carstoiu Florin	CS 1	executant							
24.	Dita Petre	CS 1	executant							
25.	Gheorghe Cezar	CS 1	executant							
26.	Grama Nicolae	CS 1	executant							
27.	Grigore Radu Dan	CS 1	executant							
28.	Micu Liliana	CS 1	executant							
29.	Micu Andrei	CS 1	executant							
30.	Mihalache Dumitru	CS 1	executant							
31.	Mirea Mihail	CS 1	executant							
32.	Visinescu Mihai	CS 1	executant							
33.	Visinescu Anca	CS 2	executant							
34.	Isar Aurelian	CS 1	executant							
35.	Constantinescu Serban	CS 2	executant							
36.	Olariu Silviu	CS 1	executant							
37.	Dulea Mihnea	CS 2	executant							
38.	Angelescu Nicolae	CS 1	executant							
39.	Rizea Margarit	CS 1	executant							
40.	Pantelica Dan	CS 1	executant							

41.	Dragulescu Emilian	CS 2	executant							
42.	Olariu Agata	CS 2	executant							
43.	Barsan Victor	CS 2	executant							
44.	Silisteanu Ion	CS 1	executant							
PN 09 37 01 02										
1	Acatrinei Ciprian	CS II	Executant							
2	Angelescu Nicolae	CS I	Executant							
3	Anghel Dragos	CS I	Executant							
4	Apostol Marian	CS I	Executant							
5	Băbălic Mirela	CS	Executant							
6	Berceanu Stefan	CS I	Executant							
7	Bîrsan Victor	CS II	Executant							
8	Budaca Radu	CS	Executant							
9	Buganu Petrică	CS	Executant							
10	Bulboaca Iosif	CS III	Executant							
11	Bundaru Mircea	CS II	Executant							
12	Caprini Irinel	CS I	Executant							
13	Carjan Nicolae	CS III	Executant							
14	Carstea Stefan	CS I	Executant							
15	Carstoiu Florin	CS I	Executant							
16	Ceausescu Valentin	CS II	Executant							
17	Cojocaru Sergiu	CS I	Executant							
18	Condeescu Cezar Eugen	CS	Executant							
19	Cune Liviu	CS III	Executant							
20	Delion Doru	CS I	Executant							
21	Dita Petre	CS I	Executant							
22	Gheorghe Cezar	CS I	Executant							
23	Grama Nicolae	CS I	Executant							
24	Greuc Alexandru	CS	Executant							

25	Greco Dan	CS I	Executant							
26	Grigore Radu Dan	CS I	Executant							
27	Ionita Mirela	Secretar	Executant							
28	Isar Aurelian	CS I	Director Proiect							
29	Ixaru Liviu	CS I	Executant							
30	Jora Catalina Renata	CS III	Executant							
31	Lăzăroiu Iuliu Calin	CS III	Executant							
32	Mazilu Dumitru	CS II	Executant							
33	Micu Andrei	CS I	Executant							
34	Micu Liliana	CS I	Executant							
35	Mihai Georgeta	Contabil	Executant							
36	Mihalache Dumitru	CS I	Executant							
37	Mirea Mihail	CS I	Executant							
38	Misicu Serban	CS I	Executant							
39	Neacsu Adina	Functionar	Executant							
40	Neacșu Andrei	AC	Executant							
41	Olah Lidia	EC	Executant							
42	Pauna Eduard	Adm Retea	Executant							
43	Poenariu Gherghescu Radu Alexandru	CS I	Executant							
44	Popovici Bogdan	AC	Executant							
45	Pora Mariana	Contabil	Executant							
46	Radescu Eugeniu	CS III	Executant							
47	Raduta Alexandru	CS I	Executant							
48	Raduta Apolodor	CS I	Executant							
49	Raduta Cristian	CS II	Executant							
50	Rizea Margarit	CS I	Executant							
51	Sandulescu Nicolae	CS I	Executant							
52	Schiaua Claudiu	CS	Executant							

53	Scutaru Horia	CS I	Executant							
54	Silisteanu Ion	CS I	Executant							
55	Stancu Mariana	EC	Executant							
56	Stoica Sabin	CS I	Executant							
57	Tanasă Adrian	CS II	Executant							
58	Ursu Ioan	CS II	Executant							
59	Visinescu Anca	CS II	Executant							
60	Visinescu Mihai	CS I	Executant							

PN 09 37 01 03

1	Petrovici Mihai	CSI	Director proiect							
2	Petrovici Alexandrina	CSI	Executant							
3	Pop Amalia	CSI	Executant							
4	Berceanu Ionela	CSI	Executant							
5	Mateescu Gheorghe	CS II	Executant							
6	Duta Viorel	CSII	Executant							
7	Angheliescu Nicolae	CSI	Executant							
8	Anghel Dragos	CSII	Executant							
9	Apostol Marian	CSI	Executant							
10	Isar Aurelian	CSI	Executant							
11	Poenariu Gheorghescu Radu	CSI	Executant							
12	Rizea Margarit	CSI	Executant							
13	Sandulescu Nicolae	CSI	Executant							
14	Tanasa Adrian	CSII	Executant							
15	Scutaru Horia	CSI	Executant							
16	Stoica Sabin	CSI	Executant							
17	Delion Doru	CpII	Executant							
18	Catanescu Vasile	CS III	Executant							
19	Caragheorghopol Gheorghe	CS III	Executant							
20	Bartos D.	CSIII	Executant							

21	Petris Mariana	CSIII	Executant							
22	Cozma Dan Mircea	CSIII	Executant							
23	Bercuci Alexandru	CSIII	Executant							
24	Schiaua Claudiu	CS	Executant							
25	Andrei Oana Georgeta	CS	Executant							
26	Mateescu Alice	IDT III	Executant							
27	Radulescu Laura	IDT	Executant							
28	Cune Liviu	CSIII	Executant							
29	Radu Andrei Bogdan	Tehn I	Executant							
30	Zaharia Petre	Tehn	Executant							
31	Prodan Lucia	Tehn I	Executant							
32	Aprodu Valerica	Tehn II	Executant							
33	Dinca Constanta	Tehn II	Executant							
34	Toma Georgiana	Ec.	Executant							
35	Acatrinei Ciprian	CS II	Executant							
36	Babalic Mirela	CS	Executant							
37	Barsan Victor	CS II	Executant							
38	Berceanu Stefan	CS I	Executant							
39	Bulboaca Iosif	CS III	Executant							
40	Bundaru Mircea	CS II	Executant							
41	Caprini Irinel	CS I	Executant							
42	Carjan Nicolae	CS III	Executant							
43	Carstea Stefan	CS I	Executant							
44	Carstoiu Florin	CS I	Executant							
45	Ceausescu Valentin	CS II	Executant							
46	Cojocaru Sergiu	CS III	Executant							
47	Dita Petre	CS I	Executant							
48	Gheorghe Cezar	CS I	Executant							

49	Grama Nicolae	CS I	Executant							
50	Greco Alexandru	AC	Executant							
51	Grigore Radu Dan	CS I	Executant							
52	Ixaru Liviu	CS I	Executant							
53	Micu Andrei	CS I	Executant							
54	Micu Liliana	CS I	Executant							
55	Mihalache Dumitru	CS I	Executant							
56	Mirea Mihail	CS I	Executant							
57	Misicu Serban	CS I	Executant							
58	Neacsu Andrei	AC	Executant							
59	Popovici Bogdan	AC	Executant							
60	Raduta Alexandru	CS I	Executant							
61	Raduta Cristian	CS II	Executant							
62	Visinescu Anca	CS II	Executant							
63	Visinescu Mihai	CS I	Executant							

PN 09 37 01 04

1.	Dulea Mihnea	CSII	Director proiect							
2.	Ursu Ioan	CSII	Executant							
3.	Constantinescu Serban	CSII	Executant							
4.	Dima Mihai Octavian	CSII	Executant							
5.	Nicolin Alexandru	CSIII	Executant							
6.	Raportaru Mihaela	AC /IDT	Executant							
7.	Visan Camelia	AC /IDT	Executant							
8.	Vasile Ionut	AC /IDT	Executant							
9.	Baran Virgil	CSII	Executant							
10.	Gheorghe Cezar	CSII	Executant							
11.	Serban Laurentiu	AC / progr	Executant							
12.	Angelescu Nicolae	CSI	Executant							
13.	Ixaru Liviu	CSI	Executant							
14.	Rizea Margarit	CSI	Executant							

15.	Bundaru Mircea	CSII	Executant							
16.	Mazilu Dumitru	CSII	Executant							
17.	Visinescu Anca	CSII	Executant							
18.	Chesneanu Daniela	AC	Executant							
PN 09 37 01 05										
1.	Zamfir Nicolae Victor	CS I	executant							
2.	Marginean Nicolae	CS I	Director proiect							
3.	Bucurescu Dorel	CS I	executant							
4.	Hategan Cornel	CS I	executant							
5.	Calboreanu Alexandru	CS I	executant							
6.	Avrigeanu Vlad	CS I	executant							
7.	Avrigeanu Marilena	CS I	executant							
8.	Isbasescu Alina	CS I	executant							
9.	Buta Apostol	CS I	executant							
10.	Iordachescu Alexandru	CS I	executant							
11.	Ionescu Bujor Manuela	CS I	executant							
12.	Dragulescu Emilian	CS I	executant							
13.	Cutoiu Dan	CS I	executant							
14.	Tripadus Vasile	CS I	executant							
15.	Corcalciuc Valentin	CS I	executant							
16.	Borcea Catalin	CS I	executant							
17.	Stanoiu Mihai Alexandru	CS I	executant							
18.	Pantelica Dan	CS I	executant							
19.	Raduta Adriana	CS I	executant							
20.	Brancus Iliana	CS I	executant							
21.	Carstoiu Florin	CS I	executant							

22.	Poenaru Dorin	CS I	executant							
23.	Grecu Dan	CS I	executant							
24.	Visinescu Mihai	CS I	executant							
25.	Ixaru Liviu	CS I	executant							
26.	Raduta Apolodor	CS I	executant							
27.	Dita Petre	CS I	executant							
28.	Micu Liliana	CS I	executant							
29.	Angelescu Nicolae	CS I	executant							
30.	Caprini Irinel	CS I	executant							
31.	Berceanu Stefan	CS I	executant							
32.	Grama Nicolae	CS I	executant							
33.	Adam Gheorghe	CS I	executant							
34.	Mihalache Dumitru	CS I	executant							
35.	Apostol Marian	CS I	executant							
36.	Rizea Margarit	CS I	executant							
37.	Silisteanu Ion	CS I	executant							
38.	Grigore Radu Dan	CS I	executant							
39.	Delion Doru Sabin	CS I	executant							
40.	Isar Aurelian	CS I	executant							
41.	Sandulescu Nicolai	CS I	executant							
42.	Gherghescu Radu	CS I	executant							
43.	Buzatu Forin Dorian	CS I	executant							
44.	Mirea Mihail Doloris	CS I	executant							
45.	Misicu Serban Valentin	CS I	executant							
46.	Raduta Alexandru Horia	CS I	executant							
47.	Carstea Adrian Stefan	CS I	executant							
48.	Caprini Mihai	CS I	executant							
49.	Ion B.	CS I	executant							

	Dumitru									
50.	Ponta Titus	CS I	executant							
51.	Dita Sanda	CS I	executant							
52.	Boldea Venera	CS I	executant							
53.	Caprini R. Calin	CS I	executant							
54.	Visinescu Anca	CS II	executant							
55.	Adam Sanda	CS II	executant							
56.	Bundaru Mircea	CS II	executant							
57.	Mazilu Dumitru	CS II	executant							
58.	Baran Virgil	CS II	executant							
59.	Anghel Dragos Victor	CS II	executant							
60.	Acatrinei Ciprian Sorin	CS II	executant							
61.	Raduta Cristian	CS II	executant							
62.	Parlog Marian	CS II	executant							
63.	Ciortea Constantin	CS II	executant							
64.	Pantelica Ana	CS II	executant							
65.	Enulescu Alexandru	CS II	executant							
66.	Pentia Mircea	CS II	executant							
67.	Olariu Silviu	CS II	executant							
68.	Olariu Agata	CS II	executant							
69.	David Ioana	CS II	executant							
70.	Bordeanu Cristina	CS II	executant							
71.	Cata-Danil Irina	CS II	executant							
72.	Borcea Ruxandra	CS III	executant							
73.	Ene Daniela	CS III	executant							
74.	Petrascu Horia	CS III	executant							
75.	Fluerasu Daniela	CS III	executant							
76.	Scantee Nicolae	CS III	executant							
77.	Ionescu Remus Amilcar	CS III	executant							

78.	Dumitriu Dana Elena	CS III	executant							
79.	Negoita Florin	CS III	executant							
80.	Aranghel Dorina	CS III	executant							
81.	Vaman Georgeta	CS III	executant							
82.	Glodariu Tudor	CS III	executant							
83.	Negret Alexandru Liviu	CS III	executant							
84.	Marginean Raluca Maria	CS III	executant							
85.	Stroe Lucian	CS	executant							
86.	Gugiu Marius	CS	executant							
87.	Suliman Gabriel	CS	executant							
88.	Mitrica Bogdan	CS	executant							
89.	Toma Gabriel	CS	executant							
90.	Sava Tiberiu	CS	executant							
91.	Ghita Dan Gabriel	CS	executant							
92.	Mihai Constantin	CS	executant							
93.	Filipescu Dan	CS	executant							
94.	Petcu Mirel	CS	executant							
95.	Saftoiu alexandra	CS	executant							
96.	Petre Marian	IDT I	executant							
97.	Dumitru Gabriel	IDT I	executant							
98.	Tarta Dorin	IDT I	executant							
99.	Mosu Vasile	IDT	executant							
100.	Dima Razvan	AC	executant							
101.	Ciocarlan Cristian	AC	executant							
102.	Ionescu Paul	AC	executant							
103.	Gurban Dan	AC	executant							
104.	Badita Chivuta	AC	executant							
105.	Companis Iulia	AC	executant							

106.	Velisa Gihan	AC	executant							
107.	Scafes Adela	AC	executant							
108.	Statescu Mihai	AC	executant							
109.	Rotaru Florin	AC	executant							
110.	Roman Faustin	AC	executant							
111.	Moisa Dorin	AS.I	executant							
112.	Barbuleanu Carmen	AS.I	executant							
113.	Ilias Mariana	AS.II	executant							
114.	Radu Elena	AS.II	executant							
115.	Fainita Dan	AS.II	executant							
116.	Serban Elisabeta	tehnician	executant							
117.	Serbina Leonardo	inginer	executant							
118.	Povariu Laurentiu	tehnician	executant							
119.	Popescu Cristian	tehnician	executant							
120.	Garagaianu Gheorghe	tehnician	executant							
121.	Ionita Andreea	economist	executant							
122.	Stan Gherghina	contabil	executant							
123.	Barsan Cristina	functionar	executant							

PN 09 37 01 06

1	Birsan Victor	CS II	Executant							
2	Neacsu Andrei	AC	Executant							
3	Nicolin Alexandru	CS III	Executant							
4	Popovici Bogdan	AC	Executant							
5	Scutaru Horia	CS I	Executant							
6	Stoica Sabin	CS I	Director Proiect							
7	Trache Liviu	CS I	Executant							
8	Horoi Mihai	CS I	Executant							

PN 09 37 02 01

1.	Ponta Corneliu Catalin	Dr., CS1	Dir. proiect							
2.	Cutrubinis Mihalis	Dr., CS3	Execut.							

3.	Virgolici Marian	Dr., CS3	Execut.							
4.	Manea Mihaela Maria	Dr.,CS	Execut.							
5.	Alexandru Mioara	drd., CS	Execut.							
6.	Constantin Mihai	drd., Biolog	Execut.							
7.	Ene Mihaela	drd., CS	Execut.							
8.	Moise Ioan Valentin	drd., CS3	Execut.							
9.	Negut Daniel Constantin	Dr.,CS	Execut.							
10.	Trandafir Laura	Biolog	Execut.							
11.	Zorila Florina	drd., Biolog	Execut.							
12.	Stanculescu Ioana Rodica	Dr., CS3	Execut.							
13.	Dinut Leana	Tehnic.	Execut.							
14.	Suvaila Rares	Dr.,CS	Execut.							

PN 09 37 02 02

1	Dudu Dorin	CS III	Director proiect							
2	Ivanov Eugen	CS I	Execut.							
3	Muresan Ofelia	CS	Execut.							
4	Rusen Ion	CS	Execut.							
5	Schubert Herman	CS III	Execut.							
6	Vata Ion	CS III	Execut.							

PN 09 37 02 03

1.	Dinescu Maria	CS I	Director proiect							
2.	Radulescu Laura	IDT III	Executant							
3.	Avadanei Niculina	Expert consult.	Executant							
4.	Chis Niculina	ACS	Executant							
5.	Oancea Margareta	Redactor (S)	Executant							
6.	Negoita Iulia	Biblioteca (S)	Executant							
7.	Grigore Valerica	Biblioteca (S)	Executant							

8.	Andreies Emilia	Bibliotecar (S)	Executant							
9.	Cringanu Stefania Denise	Bibliotecar (M)	Executant							
10.	Dinita Mariana	Bibliotecar (M)	Executant							
11.	Mihalcea Stella Emilia	Bibliotecar (M)	Executant							
12.	Stanciu Valentina	Bibliotecar (M)	Executant							
13.	Socolov Adrian	Tehnoredactor	Executant							
14.	Ivan Florentina	Expert consult.	Executant							
15.	Serban Viorel	Expert consult.	Executant							
16.	Stanescu Robert Gabriel	Expert consult.	Executant							
17.	Gurban Alina Elena	Ref.rel. externe (S)	Executant							
18.	Timofte (Stanga) Livia Beatrice	Traducator (S)	Executant							
19.	Udup Emil	IDT	Executant							
20.	Andrei Papusa	Contabil	Executant							

PN 09 37 02 04

1.	Alexandru Luminita	PNCD	Executant							
2.	Bugoi Roxana	CS2	Executant							
3.	Buda Stelian	AS	Executant							
4.	Cazan Lucian	AS	Executant							
5.	Ceauselu Vasile	TII	Executant							
6.	Cincu Emanuela	CS2	Executant							
7.	Ciolacu Liviu	TI	Executant							
8.	Chiojdeanu Catalina	CS	Executant							
9.	Constantin Florin	CS2	Director proiect							
10.	Constantin Simona	TII	Executant							
11.	Constantinescu Bogdan	CS1	Executant							

12.	Craciun Liviu	CS3	Executant							
13.	Cristofan Maria	TII	Executant							
14.	Cruceru Madalina	CS3	Executant							
15.	Cruceru Ilie	CS2	Executant							
16.	Dogaru Marius	CS	Executant							
17.	Enachescu Mihaela	CS3	Executant							
18.	Grigore Ioana	CS	Executant							
19.	Ioan Petre	CS	Executant							
20.	Lazarescu Luiza	TII	Executant							
21.	Nicolescu George	CS3	Executant							
22.	Pavel Carmen	CS	Executant							
23.	Petcu Mirel	CS2	Executant							
24.	Petre Alexandru	CS	Executant							
25.	Racolta Petru	CS1	Executant							
26.	Rusu Alexandru	CS2	Executant							
27.	Serban Alin	CS	Executant							
28.	Stan Daniela	TII	Executant							
29.	Stan-Sion Catalin	CS2	Executant							
30.	Stanescu Daniela	TII	Executant							
31.	Uroseviteanu Corina	TII	Executant							
32.	Vasilescu Angela	CS2	Executant							

PN 09 37 02 05

1.	Badoi Florin	Tehn.2	Executant							
2.	Bercea Sorin	CSII	Director							
3.	Celarel Aurelia	CS	Executant							
4.	Cenusa Ion	Inginer	Executant							
5.	Cenusa Constantin	IDTIII	Executant							
6.	Iancso Georgeta	IDTII	Executant							

7.	Iancu Rodica	IDTIII	Executant							
8.	Iliescu Elena	IDTIII	Executant							
9.	Neacsu Beatris	Fizician	Executant							
10.	Neagu Stefan	Tehn.2	Executant							
11.	Patrascu Stela	Fizician	Executant							
12.	Ciatlos Mihaela	Economist	Executant							
13.	Antohe Andrei	IDTIII	Executant							
14.	Luca Aurelian	IDTII	Executant							
15.	Razdolescu Cristina	CSIII	Executant							
16.	Sahagia Maria	CSI	Executant							
17.	Ivan Constantin	CSIII	Executant							
18.	Lira Cristian	IDTI	Executant							
19.	Purghel Lidia	CSII	Executant							

PN 09 37 02 06

1.	Albu Paul	AC	Executant							
2.	Barna Catalina	CSIII	Executant							
3.	Borza Virginia	CSII	Executant							
4.	Bubueanu George	AC	Executant							
5.	Chiper Diana	IDTI	Executant							
6.	Ciatlos Niculina Mihaela	Economist	Executant							
7.	Cimpeanu Catalina	CSIII	Director proiect							
8.	Fugaru Viorel	CSIII	Executant							
9.	Gheorghe Eleonora	Tehn.2	Executant							
10.	Iliescu Marina Liliana	CSIII	Executant							
11.	Ioan Victoria	Tehn.1	Executant							
12.	Iordache Floarea	Tehn.3	Executant							

13.	Ivanov Marieta	Tehn.3	Executant							
14.	Mandroc Florea	Tehn.1	Executant							
15.	Manea Simona	IDT1	Executant							
16.	Matei Lidia	CSIII	Executant							
17.	Mihai Madalina	Tehn.2	Executant							
18.	Necsu Beatris Luminita	Fizician	Executant							
19.	Neacsu Elena	IDT2	Executant							
20.	Nedelea Rodica	Tehn.1	Executant							
21.	Niculae Dana	CSIII	Director proiect							
22.	Postolache Cristian	CSII	Executant							
23.	Rapan Marius	IDT3	Executant							
24.	Stancu Maria	Tehn.2	Executant							
25.	Tafratov Nicolae	Tehn.1	Executant							
26.	Teodorescu Constantin	tehn.1	Executant							
27.	Tuta Stelian Catalin	CSIII	Executant							
28.	Stefan Nely	Tehn.2	Executant							
29.	Oprea Ortenzia	Economist	Executant							
30.	Stancu Mariana	Economist	Executant							
31.	Sima Cristina	Economist	Executant							

PN 09 37 03 01

1.	Stochioiu Ana	IDT I	Director proiect							
2.	Galeriu Dan	CS I	Executant							
3.	Dorobantu Ion	CS I	Executant							
4.	Vamanu Vasile Dan	CS I	Executant							
5.	Mocanu Nicolae	CS II	Executant							
6.	Sandu Elena	CS II	Executant							
7.	Margineanu Romul	CS II	Executant							

8.	Radu Mihai	CS II	Executant							
9.	Melintescu Mirela Anca	CS II	Executant							
10.	Petcu Ileana	CS II	Executant							
11.	Slavnicu Stelian Dan	CS II	Executant							
12.	Calin Marian Romeo	IDT I	Executant							
13.	Simion Corina Anca	IDT I	Executant							
14.	Gheorghiu Adriana	CS III	Executant							
15.	Preoteasa Eugen	CS III	Executant							
16.	Saizu Mirela Angela	CS III	Executant							
17.	Gheorghiu Dorina	CS III	Executant							
18.	Savu Iulia Diana	CS III	Executant							
19.	Lucaciu Adriana	CS III	Executant							
20.	Vamanu Bogdan Ioan	CS	Executant							
21.	Acasandrei Valentin	CS	Executant							
22.	Acasandrei Maria Adriana	CS	Executant							
23.	Mihai Felicia	CS	Executant							
24.	Neagu (Harangus) Livia	CS	Executant							
25.	Blebea Apostu Ana Maria	CS	Executant							
26.	Marin Daniel Dumitru	ACS	Executant							
27.	Radulescu Ileana	ACS	Executant							
28.	Vasile Mirela Simona	ACS	Executant							
29.	Tudor Ion	Inginer	Executant							
30.	Gomoiu Mariana Claudia	Fizician	Executant							
31.	Mustaciosu Cosmin	Medic	Executant							

32.	Polifron Victoria	Tehn.II	Executant							
33.	Mantescu Marcela	Tehn.II	Executant							
34.	Radulescu Constantin	Tehn.II	Executant							
35.	Teodorescu Mihaela	Tehn.II	Executant							
36.	Jianu Dan Constantin	Tehn.II	Executant							
37.	Dumitru Bogdan Sorin	Tehn.II	Executant							
38.	Nedelcu Eugenia	Tehn.II	Executant							
39.	Andrei Nicolae	Tehn.II	Executant							
40.	Zorila Bogdan	Tehn.II	Executant							
41.	Papae Radu	Tehn.II	Executant							
42.	Stroescu Petre	Tehn.II	Executant							
43.	Andrei Papusa	Contabil	Executant							

PN 09 37 03 02

1.	Dragolici Felicia	CSIII	executant							
2.	Dogaru Gheorghe	IDT I	executant							
3.	Rotarescu Gheorghe	CSII	executant							
4.	Ionascu Laura	CS	executant							
5.	Vlaicu Daniela	AC	executant							
6.	Cernicanu Dana	ECONO MIST	executant							
7.	Alexandru Carmela	SUBING INER	executant							
8.	Rotaru Rodica	CS	executant							
9.	Matei Gigel	INGINE R	executant							
10	Nicu Mihaela	CS	executant							
11	Done Laurentiu	INGINE R	executant							
12	Mocanu Elisabeth	OPERAT OR	executant							
13	Petre Daniel	OPERAT OR	executant							
14	Neacsu Elena	IDT II	executant							

15	Iancu Dumitru	CS	executant							
16	Cristache Carmen	CS	executant							
17	Toma Magdalena	CS	executant							
18	Boaru Valentina	FUNCTI ONAR	executant							
19	Volcescu Georgeta	TEHNICI AN	executant							
20	Paunica Iosif	CPIII	executant							
21	Deju Radu	IDT I	executant							
22	Stefanescu Enuta	TEHNICI AN II	executant							
23	Copaciu Vasile	FIZICIA N	executant							
24	Dragolici Cristian	IDT II	executant							
25	Ionescu Evelina	FIZICIA N	executant							
26	Iorga Ioan	CS	executant							
27	Mincu Ion	ING	executant							
28	Miu Nicoleta	ECONO MIST	executant							
29	Petran Corneliu	ING	executant							
30	Popa Victor	IDTI	executant							
31	Stanga Doru	CS II	executant							
32	Vrabie Ionut	TEHNICI AN II	executant							
33	Zorliu Adrian	IDT I	executant							
34	Mustata Carmen	ACS	executant							
35	Mitica Dragusin	CS I	Director Proiect							
36	Argatu Laurentiu	Operato r expl	executant							
37	Closca Ilie	Operato r expl	executant							
38	Closca Ioana	Operato r expl	executant							
39	Gurau Daniela	ACS	executant							
40	Ilias C-Tin	Operato r expl	executant							
41	Ionescu Aurel	Operato r expl	executant							

42	Manu Mihai	Operator expl	executant							
43	Maghiar Viorel	ING	executant							
44	Militaru Laurentiu	ING	executant							
45	Mincu Marin	Operator expl	executant							
46	Nitescu Stefan	Operator expl	executant							
47	Ponta Dorin	Operator expl	executant							
48	Rotariu Cornelia	functionar	executant							
49	Scarlat Anisoara	FIZICIAN	executant							
50	Stoian Ionel	ING	executant							
51	Stoian Marian	Operator expl	executant							
52	Tuca Carmen	CS	executant							

PN 09 37 04 01

1	Ivan Constantin	CS III	Director proiect							
2	Zamfir Nicolae	CS I	Executant							
3	Borcea Catalin	CS I	Executant							
4	Marginean Nicolae	CS I	Executant							
5	Dragusin Mitica	CS I	Executant							
6	Pentia Mircea	CS II	Executant							
7	Aranghel Dorina	CS III	Executant							
8	Dumitriu Dana	CS III	Executant							
9	Ene Daniela	CS III	Executant							
10	Fluerasu Daniela	CS III	Executant							
11	Glodariu Tudor	CS III	Executant							
12	Ionescu Remus Amilcar	CS III	Executant							
13	Marginean Raluca	CS III	Executant							
14	Negoita Florin	CS III	Executant							
15	Negret Alexandru	CS III	Executant							

16	Petrascu Horia	CS III	Executant							
17	Ghita Dan Gabriel	CS	Executant							
18	Gugiu Marius	CS	Executant							
19	Sava Tiberiu	CS	Executant							
20	Cutoiu Dan	CS I	Executant							
21	Niculae Dana	CS I	Executant							
22	Ursu Ioan	CS I	Executant							
23	Cata Danil Irina	CS I	Executant							
24	Brincus Iliana	CS I	Executant							
25	Avrigeanu Vlad	CS I	Executant							
26	Ion Gheorghe	Auxiliar	Executant							
27	Paun Cristian	Auxiliar	Executant							
28	Naghel Gheorghe	Auxiliar	Executant							
29	Popescu Alexandru	Economist	Executant							
30	Stoicea Raluca	Jurist	Executant							
31	Olteanu Alexandra	Economist	Executant							
32	Serban Laurentiu	Programator	Executant							
33	Ioan Ionut Stefan	Referent	Executant							
34	Neagu Domnica	Secretar	Executant							
35	Stancu Mariana	Economist	Executant							
36	Pora Mariana	Contabil	Executant							
37	Gheorghe Corina	Traducator	Executant							
38	Ionita Mirela	Secretar	Executant							
39	Nicolin Alexandru	CS	Executant							
40	Popescu Aurora	Inspector prot. Med.	Executant							
41	Cocioceanu Adrian	Programator	Executant							
42	Oprea Ortenzia	Economist	Executant							

43	Rugina Ana	Economist	Executant							
44	Apostol Marian	CS I	Executant							
45	Hategan Coenel	CS I	Executant							
46	Pantelica Dan	CS I	Executant							
47	Raduta Adriana	CS I	Executant							
48	Enulescu Alexandru	CS I	Executant							
49	Avrigeanu Marilena	CS I	Executant							
50	Mihai Constantin	CS	Executant							
51	Dulea Mihnea	CS I	Executant							
52	Dita Sanda	CS I	Executant							
53	Alexa Calin	CS I	Executant							
54	Campeanu Catalina	CS III	Executant							
55	Postolache Cristian	CS II	Executant							
56	Socolov Adrian	Tehnoredactor	Executant							
57	Baniceanu Elena	Economist	Executant							
58	Dumitru Alina	Economist	Executant							
59	Constantinescu Gabriela	Economist	Executant							
60	Sima Cristina	Economist	Executant							
61	Ivorciuc Maria	Inginer	Executant							
62	Paun Marcelica	Consilier juridic	Executant							
63	Soare Ionela	Inspector resurse umane	Executant							
64	Banu Ileana	idem	Executant							
65	Rosca Gratiela	idem	Executant							
66	Munteanu Maria	Revizor contabil	Executant							
67	Slafciu Mihaela	Economist	Executant							
68	Mihai Georgeta	contabil	Executant							

69	Popa Otilia	Funcționar	Executant							
70	Balas Cristina	referent	Executant							
71	Ghimbulut Andrei	referent	Executant							
72	Giurca Tudorita	contabil	Executant							
73	Constantinescu Gabriela	secretar	Executant							
74	Orascu Alla	secretar	Executant							
75	Isar Aurelian	CS I	Executant							
76	Cirstoiu Florin	CS I	Executant							
77	Visinescu Mihai	CS I	Executant							
78	Ixaru Liviu	CS I	Executant							
79	Dinescu Maria	CS I	Executant							
80	Bucurescu Dorel	CS I	Executant							
81	Buta Apostol	CS I	Executant							
82	Cata Danil Ghe	CS I	Executant							
83	Corcalciuc Valentin	CS I	Executant							
84	Tripadus Vasile	CS I	Executant							
85	Ciortea Constantin	CS II	Executant							
86	Ionescu Bujor Manuela	CS I	Executant							
87	Iordachescu Al.	CS I	Executant							
88	Sandulescu Neculai	CS I	Executant							
89	Timofte Lidia	Traducător	Executant							

IV. Infrastructuri de cercetare. Obiecte fizice și produse realizate în cadrul derulării programului; colecții și baze de date conținând înregistrări analogice sau digitale, izvoare istorice, eşantioane, specimene, fotografii, observații, roci, fosile și altele asemenea, împreună cu informațiile necesare arhivării, regăsirii și precizării contextului în care au fost obținute:

Nr.	Nume infrastructură	Data achiziției	Valoarea achiziției (lei)	Sursa finanțării	Valoarea finanțării infrastructurii din bugetul	Nr. Ore-om de utilizare a infrastructurii pentru Progr.
-----	---------------------	-----------------	---------------------------	------------------	---	---

					Progr. Nucleu	Nucleu
PN 09 37 01 01						
1.	Camera curata modulara clasa 1000 cu accesorii	12.06.2009	139423,30	PN 09 37 01 01	139423,30	300
PN 09 37 01 03						
1.	WEDGE BONDER MODEL4123 (aparatusudura neelectric pt.microlipituri la rece "Bonding")	11.06.2009	39376.04	PN 09370103/Regie departament	33556.42	300
2.	EXP 506-Masa rotativa cu 90 compartim cu capac plastic EXPERT FP-Sistem pik&place manual UP 5001- Distribuitor pasta de lipit adeziv VS 705-LCD-Monitor plat cu brate de fixare VS 710- Prisma de sticla VS 711-Suport camera video VS 713- Microcamera de inalta rezolutie	11.06.2009	45828.22	PN 09370103	45828.22	300 300 1000 1000 1000 1000
3.	RO06-PLUS/EU-Cuptor cu convectoer ptr. Lipire componente SMT RO06-3-Sistem de exhaustare diametru 80mm	11.06.2009	22305.14	PN 09 37 01 03	22305.14	500 500
4.	KIT NEBITER 10120	03.06.2009	3612.09	PN 09 37 01 03	3612.09	2000
5.	MTX3283B-Multimetru portabil	12.10.2010	2775.12	PN 09 37 01 03	2775.12	1000
6.	UNITATE DE TRATARE A AERULUI MODEL BPS TIP UTM 4/6R-6P-F1(FURNIZARE, INSTALARE SI PUNERE IN FUNCTIUNE) CONFORM CONTRACT 123/08.11.2010-Extindere instalatie de climatizare	09.11.2010	26159.16	PN 09 37 01 03	26159.16	2000
7.	Autocad 3D Commercial New SLM -program de proiectare 5.5087% din valoarea de 16.782,68 lei AutoCAD Commercial Subscription (1 year)-licenta	27.10.2010	18924.01	PN 09 37 01 03 / HP2	3.065,84	2000
8.	SISTEM 26 EffCores 1042G- LFT+ 4xAND 6212-64 GB DIE 1333MHz- 3x1 TB (echipament de calcul, servere)	06.12.2011	1160460.07	PN 09 37 01 03 / CEXMECDIF 7PM	262382.41	1000
9.	DOZIMETRU DE ARIE TIP PM1405,CF COMANDA 3595/11.07.2011	06.09.2011	6457.92	PN 09 37 01 03	6457.92	500
10.	154271 RIBBONJOG (verificator IDC) 469531 3640 (presa)	21.11.2011	5130.66	PN 09 37 01 03	5130.66	1000

11.	3108533 3443-94 (locator) placa	21.11.2011	3254.32	PN 09 37 01 03	3254.32	300
12.	RIO 4(+System+RS2323Cable) (Modul DAQ) curs bnr 1 EUR=4.3539 lei	01.12.2011	55007.12	PN 09 37 01 03	55007.12	500
13.	TRIVA7, ENV3, VULOM4	01.12.2011	41954.71	PN 09 37 01 03	41954.71	500
PN 09 37 01 04						
1.	Reteaua de date IFIN-HH	2009-2011	147185.51		147185.51	
		03.06.2009	11,885.00	PN 09 37 01 04	11,885.00	1190
		09.09.2009	61,300.00	PN 09 37 01 04	61,300.00	1190
		13.12.2011	74,000.51	PN 09 37 01 04	74,000.51	200
2.	Centru Grid LCG	2009-2011	966,142.83		960,469.34	
		12.06.2009	301,783.66	PN 09 37 01 04	301,783.66	3060
		14.09.2009	96,700.00	PN 09 37 01 04	96,700.00	2880
		28.05.2010	44,873.49	PN09370104, regie dept.	39,200.00	2160
		25.10.2010	470,021.61	PN 09 37 01 04	470,021.61	1620
		04.11.2010	24,702.06	PN 09 37 01 04	24,702.06	1585
		05.11.2010	3,275.98	PN 09 37 01 04	3,275.98	1585
		12.12.2011	24,786.03	PN 09 37 01 04	24,786.03	450
3.	Sistem de calcul de inalta performanta	2009-2012	1,701,102.01		1,264,951.47	
		12.06.2009	26,815.00	PN09370104	26,815.00	3060
		07.09.2009	342,000.00	PN09370104	342,000.00	2900
		02.05.2011	478,244.86	PN09370104, 12EU/2009	130,000.00	1050
		26.10.2011	264,985.11	PN09370104, regie dept.	250,000.00	620
		09.12.2011	78,847.68	PN09370104	78,847.68	450
		13.12.2011	34,689.00	PN09370104, regie dept.	34,018.71	450
		14.12.2011	137,590.08	PN09370104	137,590.08	440
		28.05.2012	337,930.28	PN09370104, ordin 82/2012 IUCN, 8/2012 Condegrid	265,680.00	0
PN 09 37 01 05						
1	CAMERA DE REACTIE	8.05.2009	23,474.15	PN 09 37 01 05	23,474.15	1800
2	CONDUCTA AZOT	10.05.2009	118,545.48	PN 09 37 01 05	118,545.48	4800
3	CAMERA DE REACTIE	5.08.2009	20,505.55	PN 09 37 01 05	20,505.55	1200
4	PREAMPLIFICATORI	10.06.2009	18,827.64	PN 09 37 01 05	18,827.64	1200
5	MUDULE NIM	15.06.2009	45,217.85	PN 09 37 01 05	45,217.85	1200
6	Sistem circular lichid racire si Lichid ptr. sistem circular	27.10.2009	15,496.81	PN 09 37 01 05	15,496.81	1800
7	Distribuito azot lichid izolat termic	13.10.2009	45,603.80	PN 09 37 01 05	45,603.80	4800
8	Detectori HPGe planetari de raze X , ORTEC GPL-36385	31.10.2009	125,599.50	PN 09 37 01 05	125,599.50	1200
9	Detector Si pentru particule incarcate , ORTEC B-035-150-40	"	15,673.10	PN 09 37 01 05	15,673.10	1200
10	Convertor	"	7,943.90	PN 09 37 01 05	47,663.40	1200
11	Integrator	"	16,295.73	PN 09 37 01 05	32,591.46	1200

12	Detectori de Si pentru particule incarcate FD150 18-150RM	29.10.2009	7,935.32	PN 09 37 01 05	7,935.32	1200
13	Detectori de Si pentru particule incarcate FD150 16-500RM	"	8,545.06	PN 09 37 01 05	17,090.12	1200
14	Five channel constant-Discriminator	30.10.2009	5,474.44	PN 09 37 01 05	21,897.75	4800
15	Dual Delay Module	"	2,189.78	PN 09 37 01 05	4,379.55	4800
16	Inverting Transformer BNC	"	189.78	PN 09 37 01 05	379.56	4800
17	In-Lline Isolation Transformer	"	218.98	PN 09 37 01 05	437.96	4800
18	Camac 16-Channel QDC	"	10,145.96	PN 09 37 01 05	10,145.96	4800
19	Quad Gate/Delay Generator	"	10,364.94	PN 09 37 01 05	10,364.94	4800
20	Rac NIM-Crates	30.10.2009	24,318.10	PN 09 37 01 05	97,272.38	4800
21	Detectori Si W1(DS)-300	27.10.2009	12,869.10	PN 09 37 01 05	12,869.10	4800
22	Detectori Si de arie mare 50x50mm	"	9,651.83	PN 09 37 01 05	38,607.30	4800
23	A385-16 Channel Cablu adaptor	29.10.2009	1,609.50	PN 09 37 01 05	9,657.00	4800
24	V1718-VME-USB 2.0 Bridge	"	8,204.10	PN 09 37 01 05	8,204.10	4800
25	V1751-4/8 Ch. 10bit2/1 GS/s Digitizer	"	43,317.30	PN 09 37 01 05	43,317.30	4800
26	Masina CNS	29.10.2009	64,341.42	PN 09 37 01 05	64,341.42	3000
27	Controler de gaz	26.10.2009	20,711.94	PN 09 37 01 05	20,711.94	2400
28	Fotomultiplicatori cu anexe	29.04.2010	138,989.90	PN 09 37 01 05	138,989.90	2100
29	Amplificator spectroscopic cu 16 canale	25.04.2010	25,200.00	PN 09 37 01 05	19,364.47	2400
30	Amplificator spectroscopic cu 16 canale	25.04.2010	6,944.28	PN 09 37 01 05	6,944.28	2400
31	Module electronica nucleara	14.06.2010	242,357.36	PN 09 37 01 05	242,357.36	2100
32	Modul dublu de intarziere	07.06.2010	17,538.50	PN 09 37 01 05	17,538.50	2100
33	Sistem de supresie Compton	01.06.2010	207624.00	PN 09 37 01 05	135,219.90	2100
34	Detectori de particule incarcate si electronica asociata	07.09.2010	20,668.94	PN 09 37 01 05	41,337.88	1400
35	Detectori Si ptr. particule incarcate, saracit complet, 150mm2,150um cu preamplificator	10.09.2010	11,115.18	PN 09 37 01 05	22,230.35	1400
36	Detectori Si ptr. particule incarcate, saracit complet, 150mm2, 2000um cu preamplificator	10.09.2010	28,714.20	PN 09 37 01 05	57,428.40	1400
37	Sistem de prelucrare si analiza a semnalelor in standard NIM	10.09.2010	25,975.585	PN 09 37 01 05	51,951.17	1400
38	Sursa de inalta tensiune	27.10.2010	123,906.00	PN 09 37 01 05	123,906.00	3500
39	Pulser PB-5 BNC-Generator de semnal NIM de mare precizie tip PB5	28.10.2010	28,852.12	PN 09 37 01 05	28,852.12	2800
40	Sistem de supresie Compton	08.11.2010	714,214.20	PN 09 37 01 05	714,214.20	3150
41	Detector pentru radiatie gamma de GeHP, eficienta	07.12.2010	501,105.63	PN 09 37 01 05	501,105.63	1400

	minim 50%					
42	Lant spectrometric gama- parte electr.	09.12.2010	479,433.60	PN 09 37 01 05	479,433.60	1750
43	Module CFD cu functie SRT, Quad CFD, tip 454	08.12.2010	179,800.00	PN 09 37 01 05	179,800.00	1785
44	BGO Compton -detector	09.12.2010	202,983.60	PN 09 37 01 05	202,983.60	1960
45	Sistem de detectie	09.12.2010	146,203.48	PN 09 37 01 05	146,203.48	560
46	Cutii de protectie	16.03.2011	29012.95	PN 09 37 01 05	29,012.95	560
47	Digitizor CAEN	11.05.2011	19,798.0	PN 09 37 01 05	19,798.00	672
48	ANALIZOR MULTICANAL DUBLU	12.05.2011	50840.00	PN 09 37 01 05	50,840.00	720
49	ANALIZOR MULTICANAL DUBLU-(REST PLATA)	14.07.2011	101,680.00	PN 09 37 01 05	101,680.00	720
50	Detectori silicon	15.07.2011	43,443.19	PN 09 37 01 05	43,443.19	480
51	Traductor gaz + cablu conectare	27.07.2011	5,937.92	PN 09 37 01 05	5,937.92	1120
52	Sursa de curent ptr. acceleratorul Tandem	27.07.2011	161,186.36	PN 09 37 01 05	161,186.36	1120
53	Sistem de alimentare centralizata	31.08.2011	33,505.00	PN 09 37 01 05	33,505.00	1120
54	Traductor de curgere gaz	14.09.2011	6060.96	PN 09 37 01 05	6,060.96	1120
55	Sistem inregistrare date	29.08.2011	72428.16	PN 09 37 01 05	72,428.16	1120
56	Module electronice-Rac NIM cu sursa de alimentare	30.09.2011	21,508.18	PN 09 37 01 05	21,508.18	1120
57	Sistem de rotatie ptr. scintilatori	04.10.2011	59,520.23	PN 09 37 01 05	59,520.23	700
58	Module electronice-Rac NIM cu sursa de alimentare	30.09.2011	98,771.82	PN 09 37 01 05	98,771.82	700
59	SCINTILATORI	28.10.2011	44,640.00	PN 09 37 01 05	44,640.00	700
60	Module electronice	07.11.2011	289,609.16	PN 09 37 01 05	289,609.16	700
61	Structura suport ptr. ansamblu de detectie gamma	27.10.2011	436,503.87	PN 09 37 01 05	436,503.87	700
62	Sistem turbomolecular complet de vid	27.10.2011	143,592.00	PN 09 37 01 05	143,592.00	600
63	Cartela electronica	26.10.2011	64,781.18	PN 09 37 01 05	64,781.18	600
64	Sina de ghidare,piulte,patine,bara plina	31.10.2011	11,557.30	PN 09 37 01 05	11,557.30	600
65	Bucsa bile cu flansa	31.10.2011	78,910.50	PN 09 37 01 05	78,910.50	600
66	Detector silicon S2-(DS)- 1000	31.10.2011	54,152.13	PN 09 37 01 05	54,152.13	400
67	Vas dewar	14.11.2011	42,760.66	PN 09 37 01 05	42,760.66	100
68	Compresor	16.11.2011	45,532.80	PN 09 37 01 05	45,532.80	700
69	Sistem turbomolecular de vid	17.11.2011	173,368.12	PN 09 37 01 05	173,368.12	700
70	Statie meteo portabila cu accesorii	28.11.2011	6,280.00	PN 09 37 01 05	6,280.00	700
71	Sistem turbomolecular de vid	16.11.2011	153,388.00	PN 09 37 01 05	153,388.00	700
72	ANSAMBLU TESTE VID	30.11.2011	80,228.00	PN 09 37 01 05	80,228.00	700
73	Masina de gaurit,masina de strunjit	29.11.2011	19,220.00	PN 09 37 01 05	19,220.00	320
74	Ansamblu circuite electrice	06.12.2011	27,266.50	PN 09 37 01 05	27,266.50	400

	stand VME					
75	Dispozitiv suport ptr. fotodiode	08.12.2011	3,225.24	PN 09 37 01 05	3,225.24	400
76	Componente ptr. sursele SO110 ACCEL. 3MV	01.12.2011	43,382.26	PN 09 37 01 05	43,382.26	400
77	Componente ptr. sursele SO110 ACCEL. 3MV	30.09.2011	40,055.88	PN 09 37 01 05	40,055.88	400
78	Componente ptr. sursele SO110 ACCEL. 3MV	01.12.2011	24,817.23	PN 09 37 01 05	24,817.23	400
79	Componente ptr. sursele SO110 ACCEL. 3MV	01.12.2011	46,604.15	PN 09 37 01 05	46,604.15	400
80	Componente ptr. sursele SO110 ACCEL. 3MV	14.10.2011	44,983.94	PN 09 37 01 05	44,983.94	400
81	Carucior ptr. palan (avans)	22.11.2011	3,367.34	PN 09 37 01 05	3,367.34	60
82	Palan manual,Carucior ptr. palan	30.11.2011	4,421.10	PN 09 37 01 05	4,421.10	60
83	Carucior ptr. palan	01.12.2011	3,436.04	PN 09 37 01 05	3,436.04	60
84	Detector CLOVER (2922620.48 lei)	14.12.2011	2,922,620.48	PN 09 37 01 05 / Investitii	1,502,780.08	360
85	FOARFECA ELECTRICA	29.02.2012	3,788.93	PN 09 37 01 05	3,788.93	10
86	Transpaleta manuala	14.03.2012	5,133.14	PN 09 37 01 05	5,133.14	20
87	Interfata retea 48 porturi+accesorii retea	10.05.2012	8,221.20	PN 09 37 01 05	8,221.20	20
88	Interfata PCI-VME	11.05.2012	20,074.18	PN 09 37 01 05	20,074.18	24
89	Preamplificator 32 c anale	16.05.2012	18,896.77	PN 09 37 01 05	18,896.77	20
90	DISPOZITIV MICROSTRIP YY1(SS)-300	28.05.2012	20,981.27	PN 09 37 01 05	20,981.27	16
91	Modul extern,calc. laptop,imprim,licente office+windows	29.05.2012	119,362.40	PN 09 37 01 05	119,362.40	8
92	DETECTORI SI	29.05.2012	65,913.92	PN 09 37 01 05	65,913.92	8
93	Carcasa M	23.05.2012	2,482.48	PN 09 37 01 05	2,482.48	40
94	Placa procesare VME	24.05.2012	19,467.72	PN 09 37 01 05	19,467.72	40
95	Mixer bus-uri FERA	25.05.2012	4,259.40	PN 09 37 01 05	4,259.40	32
96	ANSAMBLU TINTA GAZ	30.05.2012	16,808.20	PN 09 37 01 05	16,808.20	8
97	Pompe uscate de vid inalt	29.05.2012	84,656.04	PN 09 37 01 05	84,656.04	8
98	Sistem de monitorizare nivel de radiatii	29.05.2012	79,360.00	PN 09 37 01 05 / IIN	62,364.02	8
99	Electronica ptr. detectori	30.05.2012	261,449.76	PN 09 37 01 05	261,449.76	8
100	Componente electronice ptr.detectori Si	30.05.2012	147,229.04	PN 09 37 01 05	147,229.04	8
PN 09 37 02 01						
1.	Lant de detectie gama spectrometric	05.11.2009	183045.83	PN 09 37 02 01	183045.83	6000
2.	Biofotometru cu accesorii	03.11.2009	43357.03	PN 09 37 02 01	43357.03	2000
3.	Centrifuga	06.11.2009	14480.72	PN 09 37 02 01	14480.72	1000
4.	Sistem de sitare granulometrica	06.11.2009	14033.57	PN 09 37 02 01	14033.57	1000
5.	Balanta analitica	06.11.2009	11909.61	PN 09 37 02 01	11909.61	1000
6.	Balanta tehnica	06.11.2009	7481.13	PN 09 37 02 01	7481.13	1000
7.	Etuva	06.11.2009	8758.08	PN 09 37 02 01	8758.08	3000
8.	Baie cu ultrasunete	06.11.2009	3538.49	PN 09 37 02 01	3538.49	1000
9.	Criostat pentru analize in-situ cu detector model GMX	08.06.2010	17944.43	PN 09 37 02 01	17944.43	100

10.	Vas Dewar de 30 litri	12.11.2010	5518.00	PN 09 37 02 01	5518.00	100
11.	Distilator	08.11.2010	74201.60	PN 09 37 02 01	74201.60	500
12.	Balanta analitica	10.11.2010	8143.00	PN 09 37 02 01	8143.00	500
13.	Hota de protectie biologica	10.11.2010	66000.00	PN 09 37 02 01	66000.00	500
14.	Detector cu captura de electroni	11.11.2010	31000.00	PN 09 37 02 01	31000.00	500
15.	Ecran radiatii gama	12.11.2010	11147.60	PN 09 37 02 01	11147.60	100
16.	Camera climatica	17.10.2011	52678.26	PN 09 37 02 01	52678.26	500
17.	Set pH-metru	19.07.2011	3810.91	PN 09 37 02 01	3810.91	200
18.	Sistem de racire cu recirculare	11.11.2011	13367.20	PN 09 37 02 01	13367.20	100
19.	Sistem automat de curatare pentru vesela laborator	11.11.2011	55428.00	PN 09 37 02 01	55428.00	300
PN 09 37 02 02						
1.	Instalatie spectrometrica completa cu detector tip silicon DRIFT pentru apctrometrie de raze X	25.08.2010	100439.76	PN 09 37 02 02	100439.76	1000
2.	Detector OS OD 2562 Z-V CAM	14.09.2010	46725.80	PN 09 37 02 02	46725.80	200
3	Amplifcator	29.08.2010	19954.51	PN 09 37 02 02	19954.51	800
4	Detector OS OD 2561 Z – V CAM	14.09.2010	57855.04	PN 09 37 02 02	57855.04	200
5	Preamplificator de 1 GHz	13.10.2010	31737.84	PN 09 37 02 02	31737.84	500
6	Preamplificator rapid ORTEC 9326	13.10.2010	8650.33	PN 09 37 02 02	8650.33	800
7	Amplificator 10- 863	13.10.2010	36830.24	PN 09 37 02 02	36830.24	700
8	Contor SI cu implant ionic	13.10.2010	11128.71	PN 09 37 02 02	11128.71	1000
9.	Kombitransmitter	23.11.2011	26854.40	PN 09 37 02 02	26854.40	800
10	Stand de vid	23.11.2011	23994.00	PN 09 37 02 02	23994.00	800
11	Ansamblu de fotodectie cu fotodiode	18.12.2011	29.722,80	PN 09 37 02 02	29.722,80	300
12	Amplificator	08.11.2011	11363.16	PN 09 37 02 02	11363.16	600
13	Osciloscop	05.03.2012	90304.24	PN 09 37 02 02	90304.24	50
PN 09 37 02 03						
1	Echipament videoconferinta pentru Biblioteca Nationala de Fizica	08.12.2011	158968.00	PN 09 37 02 03	91650.00	800
2	MIMIO Capture Kit	05.12.2011	6100.80	PN 09 37 02 03	6100.80	300
3	Plotter HP DesignJet T1200	03.09.2010	27180.80	PN 09 37 02 03	27180.80	650
4	Set Interactive Whiteboard Mobile Bar + Accesorii (tabla interactiva)	12.04.2010	7880.00	PN 09 37 02 03	7880.00	2080
PN 09 37 02 05						
1.	Instalatie de incalzire hala	20.10.2010	57526.71	PN 09-37-02-05	57526.71	2080
2.	Generator de radiatii X	05.12.2011	587778	PN 09-37-02-05	587778	300
3.	Fantoma de apa pentru fascicul orizontal	09.09.2010	17413.77	PN 09-37-02-05	17413.77	850
4.	Sonda inteligenta gama	30.09.2011	57040	PN 09-37-02-05 / Regie departament	9000	1200

5.	Dispozitiv metalic pentru transfer azot lichid din vase Dewar de 30 litri	01.06.2010	7932.33	PN 09-37-02-05	7932.33	3260
PN 09 37 02 06						
1.	Sistem centralizat de dozimetrie pentru monitorizarea zonelor controlate si supravegheate din dep. CPR	12,06,2009	52039.18	PN 09 37 02 06	52039.18	4690
2.	Cuptor tubular universal	09,03,2010	11500	PN 09 37 02 06	11500	970
3.	Sonda inteligenta debite de doza	13,04,2010	8000	PN 09 37 02 06	8000	3200
4.	Mobilier Birou Ares	10,06,2010	4648.41	PN 09 37 02 06	4648.41	2800
5.	Dozimetru electronic individual	09,06,2010	5337.11	PN 09 37 02 06	5337.11	3450
6.	Sonda inteligenta debite de doza	20,08,2010	12504.16	PN 09 37 02 06	12504.16	2880
7.	Aparat imagistica	28,10,2010	235023.15	PN 09 37 02 06	235023.15	400
8.	Sonda inteligenta debite de doza	30,09,2011	57040	PN 09 37 02 06/PN 09 37 02 05	48040	2720
9.	Sistem supraveghere video	29,07,2011	2422.96	PN 09 37 02 06	2422.96	1680
10.	Modul Sinteza Gal-101 cu software Absynth	05,12,2011	253704	PN 09 37 02 06	253704	220
11.	Autoturism transport marfa(probe biologice radioactive)	28,11,2011	49996.75	PN 09 37 02 06	49996.75	800
12.	Usi batante	09,02,2012	7767.36	PN 09 37 02 06	7767.36	560
13.	Bancute incaltaminte	25,04,2012	1999.90	PN 09 37 02 06	1999.90	22
14.	Dulap vestiare	10,05,2012	19120.80	PN 09 37 02 06	19120.80	44
15.	Banca ptr. vestiar	10,05,2012	1190.40	PN 09 37 02 06	1190.40	22
16.	Sonde inteligente	18,05,2012	27900.00	PN 09 37 02 06	27900.00	64
PN 09 37 03 01						
1.	Balanta analitica AGN200C	23.05.2012	4092.00	PN 09 37 03 01	4092.00	12
2	Biospectrum 810 System, fixed Lens 50mm (echip. de electroforeza)	07.12.2011	78275.00	PN 09 37 03 01	78275.00	450
3	Glan Taylor Prisms cod 066-1220 (componente optice)	07.12.2011	21595.88	PN 09 37 03 01	21595.88	450
4	LMS-20 8W 3UV (transluminator)	07.12.2011	3779.52	PN 09 37 03 01	3779.52	460
5	Complete electroblotting system for four 10x10cm	07.12.2011	12308.24	PN 09 37 03 01	12308.24	400
6	Huygens Professional (pachet software pt. prelucrare de imagini)	07.12.2011	55877.82	PN 09 37 03 01	55877.82	325
7	Instrument digital DPO3052	07.12.2011	27776.00	PN 09 37 03 01 / 2C8 Grup comenzi	21500.00	425
8	Baie ultrasonica 2 litri Nahita cu incalzire	05.12.2011	2976.00	PN 09 37 03 01	2976.00	500
9	Sistem de filtrare gaze chimice	21.11.2011	7018.16	PN 09 37 03 01	7018.16	840
10	Echipament de eliminare a fumului	21.11.2011	78819.38	PN 09 37 03 01	78819.38	840

11	Accesoriu pentru controlul intensitatii si largimii de banda la iluminatorul Polychrome V	14.10.2011	12861.82	PN 09 37 03 01	12861.82	850
12	Camera crestere plante GROW 361 HR	28.10.2010	24534.64	PN 09 37 03 01	24534.64	700
13	Fotoradiometru Tip 2102.2	27.10.2010	4834.40	PN 09 37 03 01	4834.40	550
14	Sursa de lumina POLYCHROME V	26.10.2010	50961.11	PN 09 37 03 01	50961.11	850
15	Vas Dewar	14.09.2010	7769.23	PN 09 37 03 01	7769.23	1344
16	Analizor DIGIDART	13.09.2010	57257.31	PN 09 37 03 01	57257.31	1352
17	Fantoma acril pentru deget	09.09.2010	3774.56	PN 09 37 03 01	3774.56	400
18	Fantoma acril pentru brat cu accesorii	09.09.2010	13485.00	PN 09 37 03 01	13485.00	400
19	Balanta analitica AGN200C (M)	26.08.2010	3917.16	PN 09 37 03 01	3917.16	625
PN 09 37 04 01						
1.	Software CATIA	07.12.2010	515607	PN 09 37 04 01	515607	2200

V. Rezultatele Programului Nucleu au fundamentat alte lucrări de cercetare:

	Nr.	Tip
PN 09 37 01 01		
Proiecte internaționale	2	1 PC7, 1 Bilateral
Proiecte naționale	6	PN II
PN 09 37 01 03		
Proiecte internaționale	9	ALICE-LHC – CERN, CBM-FAIR, FOPI-GSI, CHIMERA-LNS, FP7-HP2, FP7-HP3, DFG, NUSTAR-FAIR, ISOLDE-CERN
Proiecte naționale		
PN 09 37 01 04		
Proiecte internaționale	1	PC7 (FP7-RI-261499)
	2	Bilaterale (CEA-IFA cooperation - R&D projects, Hulubei-Meshcheryakov programme)
	1	International (WLCG collaboration / CERN)
Proiecte naționale	2	PN II (Capacitati-M3-12EU/CONDEGRID, D11-043/SIMPROC)
	1	Fonduri structurale (FEDR POSCCE 2.2.3-Grid/GRICEFCO)
PN 09 37 02 01		
Proiecte internaționale	6	IAEA – 4, COST - 1, Bilateral (IFIN - INFN Italia) - 1
Proiecte naționale	10	PN II (PCCA - 5, PD - 4, TE - 1)
PN 09 37 02 04		
Proiecte internaționale	3	PC7 EURATOM, Dubna, CERN
Proiecte naționale	10	PNCIDI 2, Idei
PN 09 37 02 05		
Proiecte internaționale	4	- Belgian Nuclear Research Centre, SCK-CEN, Mol Knowledge transfer and collaboration with Romania in domain of Radiation Protection-Nuclear Calibrations - EURAMET project 1177 (2011-2012) Comparasion of calibration of KAP meters in terms

		of air kerma area product EURAMET-EMRP A169: -JRP ENG08 MetroFission (2010-2013); - JRP IND04 MetroMetal (2011-2014).
Proiecte naționale	3	PARTENERIATE / Sistem autonom telecomandat, de detecție a materialelor radioactive și a substanțelor toxice, pentru prevenirea actelor de terorism cu „bombe murdare” -Ctr. 23/05.10.2011, Proiect PN-II-ID-PCE-2011-3-0070. -Ctr. C2-05/01.03.2012, Proiect Capacitati Modul III, Parteneriat IFA-CEA Franta
PN 09 37 02 06		
Proiecte internaționale	4	EUREKA, COST, IAEA-TC, IAEA-CRP
Proiecte naționale		
PN 09 37 03 01		
Proiecte internaționale	2	1 - PC 7 1 - RADO
Proiecte naționale	6	1 - IDEI - 2011 PN II, Capacitati Modul III - 2011 3 - PN II - 2012 1 - IDEI COMPLEXE - 2012
PN 09 37 03 02		
Proiecte internaționale		
Proiecte naționale	2	PN II

VI. Rezultate transferate în vederea aplicării :

Tip rezultat	Instituția beneficiară (nume instituție)
PN 09 37 02 05	
Metode de etalonare aparatura dozimetrica	IFIN-HH (in baza desemnarii CNCAN si acreditarii RENAR)
Metode de incercare aparatura dozimetrica si instalatii cu surse radioactive	IFIN-HH (in baza desemnarii CNCAN si acreditarii RENAR)
Contributie la Baza de date Key Comparison Data Base (KCDB), http://kcdb.bipm.org/AppendixB/KCDB_ApB_search.asp , ref. comparari: BIPM.RI(II)-K1.Co-60 si BIPM.RI(II)-K1.Co-57, cf. art. 2 si 3, sect. I.3	BIPM

VII. Alte rezultate:

PN 09 37 01 02

Carti : M. Apostol

- 1) Journal of Theoretical Physics, 2009 (collection of scientific papers)
- 2) Lectii de Fizica Elementara – Mecanica si Statistica (2009) (highschool textbook, in Romanian)
- 3) Lectii de Fizica Elementara – Electromagnetism si Fizica Moderna (2010) (highschool textbook, in Romanian)
- 4) The Antiphysical Review ,2010 (collection of science policy papers)
- 5) Journal of Theoretical Physics, 2010 (collection of scientific papers)
- 6) Eleven Lectures on Theoretical Physics, 2010
- 7) Electromagnetic Theory in Matter (2010), with G. Vaman and L. C. Cune (postgraduate monograph)
- 8) Twenty Lectures on Physics, Lambert (2012)

9) Studies in Theoretical Physics, vols.1,2, Elsevier (2012) (Selected Works)

Carti : N. Grama

1.Riemann surface approach to natural modes. Exotic resonant states/ Nova Science Publishers, Inc. Hauppauge NY USA, ISBN: 978-1-62081-063-7, 327 p, in print / Cornelia Grama, Nicolae Grama, and Ioan Zamfirescu / to occur in 2012.

PN 09 37 01 03

Obiectivele de cercetare au fost pe deplin indeplinite. Experienta de pana acum ne arata necesitatea existentei unei finantari de tip NUCLEU multianuale care sa permita stabilirea si abordarea unor activitati vizibile si competitive in cadrul strategiei pe termen mediu si lung la nivel european pentru domeniul nostru de activitate.

PN 09 37 02 05:

Articole:

1.“Conclusions from the participation at proficiency tests for gamma-ray spectrometry measurements”, A. Luca, A.C. Watjen, E.L. Grigorescu, M. Sahagia, C. Ivan, Romanian Journal of Physics, Vol. 55, Nos. 7-8, pp. 724-732, Bucharest, 2010.

Carti:

1.“¹²⁴Sb – Activity measurement and determination of photon emission intensities”, M.-M. Bé, B. Chauvenet, M.-N. Amiot, C. Bobin, M.-C. Lépy, T. Branger, I. Lanièce, A. Luca, M. Sahagia, A.-M. Wätjen, K. Kossert, O. Ott, O. Nähle, P. Dryak, J. Sochorová, P. Kovar, P. Auerbach, T. Altitzoglou, S. Pommé, G. Sibbens, R. Van Ammel, J. Paepen, A. Iwahara, J.U. Delgado, R. Poledna, L. Johansson, A. Stroak, C. Bailat, Y. Nedjadi, P. String; Rapport CEA-R-6222, Ed. Direction des Systèmes d’Information, CEA / Saclay 91191 Gif-sur-Yvette Cedex, France, 2009, pp. 1-60, ISSN 0429-3460.

2.“Table of Radionuclides (vol. 5 - A=22 to 244)”, M.-M. Bé, V. Chiste, C. Dulieu, X. Mougeot, E. Browne, V. Chechev, N. Kuzmenko, F. Kondev, A. Luca, M. Galan, A. Arinc, X. Huang; Monographie BIPM-5, Ed. Bureau International des Poids et Mesures, Pavillon de Breteuil, F-92310 Sèvres, France, 2010, pp. 41-46, 81-84, 127-132, ISBN-13 978-92-822-2234-8

3.“Table of Radionuclides (vol. 6 - A=22 to 242)”, M.-M. Bé, V. Chiste, C. Dulieu, X. Mougeot, V. Chechev, N. Kuzmenko, F. Kondev, A. Luca, M. Galan, A.L. Nichols, A. Arinc, A. Pearce, X. Huang, B. Wang; Monographie BIPM-5, Ed. Bureau International des Poids et Mesures, Pavillon de Breteuil, F-92310 Sèvres, France, 2011, pp. 73-78, ISBN-13 978-92-822-2242-3

4.“12 Chapters on Nuclear Medicine”, Ed. Ali Gholamrezanezhad, Intech Open publisher, ISBN 978-953-307-802-1, decembrie 2011, M. Sahagia – autor al capitolului 6, “Role of the Radionuclide Metrology in Nuclear Medicine”, pag. 137-164.

PN 09 37 03 01:

Carti / capitole carti:

1.Atomic and nuclear surface analysis methods: A novel perspective for the characterization of dental composites, Dental Composites, Nova Science Publishers, Inc., New York, USA, 978-1-61761-140-7, **Eugen Aurelian Preoteasa**, Elena Preoteasa, Ioana Suci, 2011

2.Faces of Resilience, In "Energy Security. International and Local Issues, Theoretical Perspectives, and Critical Energy Infrastructures". NATO Science for Peace and Security Series-C. Part II., Edited by A.Gheorghe and L.Muresan. Published by Springer, The Netherlands, ISBN 978-94-007-0721-4 (PB); ISBN 978-94-007-0718-4 (HB); ISBN 978-94-007-0719-1 (e-book), Adrian Gheorghe, **Dan Vamanu, 2011**

3.Reassessment of Tritium Dose Coefficients, SURVIVAL AND SUSTAINABILITY - Environmental Concerns in the 21st Century, Part V - Environment and Health, Springer-Verlag, 978-3-540-95990-8, **Anca Melintescu, Dan Galeriu**, Hiroshi Takeda, 2011

4.Tritium, Radionuclides in Environment, John Willey & Sons Ltd, 978-0-47071434-8, **Dan Galeriu, Anca Melintescu, 2010**

5.Specific activity models and parameter values for Tritium, 14C and 36Cl, IAEA Technical Report Series 472 (TRS 472) - Handbook of parameter values for the prediction of radionuclide transfer to humans in terrestrial and freshwater environments, International Atomic Energy Agency, 978-92-0-113009-9, Phill Davis, Elisabeth Leclerc, **Dan Galeriu, Anca Melintescu**, Silvy Ring Peterson, Françoise Siclet, Pazhayth Ravi, 2010

6.Specific activity models and parameter values for Tritium, 14C and 36Cl, IAEA-TECDOC-1616, Quantification of radionuclide transfer in terrestrial and freshwater environments for radiological assessments, International Atomic Energy Agency, 978-92-0-104509-6, Phill Davis, Elisabeth Leclerc, **Dan Galeriu, Anca Melintescu**, Valeriu Kashparov, Silvy Ring Peterson, Pazhayth Ravi, Françoise Siclet, Christian Tamponnet, 2009.

DIRECTOR GENERAL,

Prof. Dr. Nicolae Victor Zamfir

DIRECTOR DE PROGRAM,

Dr. Ioan Ursu