

Program IDEI_Proiecte de Cercetare Exploratorie_Competitia 2012
Rezultate preliminare_Fizica

Nr. Crt.	Cod Proiect	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-ID-PCE-2012-4-0028	Fizica	Burzo	Emil	BABES-BOLYAI UNIVERSITY	Alkali and silver halides based magnetic tunnel junctions	98.33
2	PN-II-ID-PCE-2012-4-0299	Fizica	Trache	Livius-Marian	National Research Institute for Physics and Nuclear Engineering "Horia Hulubei"	Nuclear astrophysics studies at IFIN-HH	97.00
3	PN-II-ID-PCE-2012-4-0342	Fizica	Tosa	Valer	National Institute for R&D Isotopic and Molecular Technologies	Single attosecond pulse generation by femtosecond waveforms	96.66
4	PN-II-ID-PCE-2012-4-0511	Fizica	Popa	Lucia	Institute for Space Sciences	Probing the primordial gravitational waves with CMB anisotropies	92.67
5	PN-II-ID-PCE-2012-4-0255	Fizica	Enculescu	Ionut-Marius	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Charge and spin control in field effect transistors with nanowire channel	92.66
6	PN-II-ID-PCE-2012-4-0078	Fizica	Jora	Catalina	National Institute of Physics and Nuclear Engineering Horia Hulubei	Topics in non-abelian gauge theories	92.34
7	PN-II-ID-PCE-2012-4-0418	Fizica	Echim	Marius	National Institute for Lasers, Plasma and Radiation - Institute for Space Sciences	Turbulence, Intermittency and Multiscale transfer of Energy in the Solar-wind and planetary magnetosheaths (TIMESS)	92.00
8	PN-II-ID-PCE-2012-4-0629	Fizica	Dinescu	Gheorghe	National Institute for Laser, Plasma and Radiation Physics	Process diagnostic: carbon nanowalls versus carbon nanofibers plasma deposition	92.00
9	PN-II-ID-PCE-2012-4-0315	Fizica	Tiusan	Coriolan	Universitatea Tehnica din Cluj-Napoca	Mesoscopic spintronic devices with tailored magneto-transport properties	91.66
10	PN-II-ID-PCE-2012-4-0234	Fizica	Stancalie	Viorica	National Institute for Laser, Plasma & Radiation Physics	Electron collisions with Fe-peak elements.From high precision atomic data to astrophysical opacities	89.67
11	PN-II-ID-PCE-2012-4-0039	Fizica	Moca	Pascu Catalin	University of Oradea	Non-equilibrium dynamics, pumping and correlations in tunable mesoscopic systems	89.00
12	PN-II-ID-PCE-2012-4-0068	Fizica	Chirita	Stan	UNIVERSITATEA ALEXANDRU IOAN CUZA IASI	THERMOMECHANICAL MODELS AND RELATED PROBLEMS	89.00
13	PN-II-ID-PCE-2012-4-0546	Fizica	Filip	Valeriu	University of Bucharest	Study of electron field emission from nanostructured materials with applications to electron sources	88.66
14	PN-II-ID-PCE-2012-4-0645	Fizica	Baleanu	Dumitru	Institute of Space Sciences, legal branch of National Institute for Laser, Plasma and Radiation Physics	Advanced Fractional Dynamics of Complex Systems: Theoretical Models and Experimental Validation	88.32

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15	PN-II-ID-PCE-2012-4-0287	Fizica	Ticos	Catalin Mihai	National Institute for Laser, Plasma and Radiation Physics	Manipulation of Dusty Plasmas by Electromagnetic Fields and Charged Particle Flows	88.01
16	PN-II-ID-PCE-2012-4-0402	Fizica	Coca	Cornelia	Horia Hulubei National Institute for Physics and Nuclear Engineering - IFIN HH	Research and optimization of very forward calorimeters for detectors at future e+e-colliders	88.00
17	PN-II-ID-PCE-2012-4-0113	Fizica	Nica	Petru-Edward	The Gheorghe Asachi Technical University of Iasi	Controlled laser produced plasma emission using dual nanosecond pulses	86.67
18	PN-II-ID-PCE-2012-4-0022	Fizica	TUDORA	Anabella	University of Bucharest, Faculty of Physics	Modeling of the prompt neutron and gamma-ray emission in fission	85.33
19	PN-II-ID-PCE-2012-4-0504	Fizica	Nistor	Vasile Sergiu	National Institute of Materials Physics	Understanding the structure and interplay at atomic scale of the intrinsic point defects and impurities in semiconductor boron nitride.	84.66
20	PN-II-ID-PCE-2012-4-0473	Fizica	Girtu	Mihai	Ovidius University of Constanta	Modeling of the high-temperature magnetic ordering in molecular compounds with transition metal ions bridged by cyanocarbon acceptors	84.33
21	PN-II-ID-PCE-2012-4-0126	Fizica	Negret	Alexandru	Horia Hulubei National Institute for Physics and Nuclear Engineering	High resolution neutron inelastic cross section measurements	84.00
22	PN-II-ID-PCE-2012-4-0527	Fizica	Ursescu	Daniel	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Complex ultrashort laser pulses characterization	84.00
23	PN-II-ID-PCE-2012-4-0585	Fizica	Socoliuc	Vlad-Mircea	Romanian Academy - Timisoara Branch	The influence of long range magnetic dipole-dipole interactions on the structure of magnetic fluids	83.67
24	PN-II-ID-PCE-2012-4-0105	Fizica	Dabu	Razvan	National Institute for Laser, Plasma, and Radiation Physics	Contrast intensity enhancement of high-power femtosecond laser systems	82.00
25	PN-II-ID-PCE-2012-4-0487	Fizica	Glodariu	Tudor	Horia Hulubei National Institute of Physics and Nuclear Engineering	Searching for weakly bound resonances just below the neutron binding energy	81.33
26	PN-II-ID-PCE-2012-4-0162	Fizica	Acatrinei	Ciprian Sorin	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA SI INGINERIE NUCLEARA HORIA HULUBEI IFIN HH, BUCURESTI - MAGURELE	A new discretization scheme in classical and quantum field theory and its applications in nonperturbative studies	81.00
27	PN-II-ID-PCE-2012-4-0341	Fizica	IXARU	LIVIU	Institutul National de Cercetare Pentru Fizica si Inginerie Nucleara Horia Hulubei IFIN HH din Bucuresti	New numerical methods and codes for the coupled-channel Schrödinger equation	80.83
28	PN-II-ID-PCE-2012-4-0069	Fizica	Constantin	Florin	"Horia Hulubei" National Institute of Physics and Nuclear Engineering	Positron Annihilation Spectroscopy Studies of Polymers - Membranes and Thin Films	79.33

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29	PN-II-ID-PCE-2012-4-0649	Fizica	Vatasescu	Mihaela	Institute of Space Science	Quantum control and coherent dynamics in ultracold atomic and molecular systems	79.00
30	PN-II-ID-PCE-2012-4-0283	Fizica	Miu	Lucica	National Institute of Materials Physics	Vortex dynamics in exotic superconductors	78.67
31	PN-II-ID-PCE-2012-4-0306	Fizica	Avrigeanu	Vlad	Horia Hulubei National Institute for Physics and Nuclear Engineering	Improved Nuclear Data Requested by Actual Fusion Technology	78.33
32	PN-II-ID-PCE-2012-4-0327	Fizica	Raduta	Alexandru Horia	National Institute of Physics and Nuclear Engineering - Horia Hulubei	Advanced studies on nuclear multifragmentation, nuclear structure and atomic clusters	78.33
33	PN-II-ID-PCE-2012-4-0447	Fizica	Benea	Diana	Babes-Bolyai University Cluj-Napoca	New Heusler materials with application in spintronics	77.00
34	PN-II-ID-PCE-2012-4-0172	Fizica	Anghel	Sorin Dan	Babes-Bolyai University	New studies on the generation, characterization and applications of atmospheric pressure gas discharges in liquids and on liquids	76.00
35	PN-II-ID-PCE-2012-4-0646	Fizica	Beu	Titus	University Babes-Bolyai	Computational studies of ionic transport and encapsulation / translocation of DNA through voltage-controlled carbon nanotubes	75.00
36	PN-II-ID-PCE-2012-4-0106	Fizica	Grigore	Radu-Dan	"Horia Hulubei" National Institute for Physics and Nuclear Engineering	Algebraic and combinatorial methods applied in quantum mechanics and field theory	74.34
37	PN-II-ID-PCE-2012-4-0471	Fizica	BUICA	Gabriela	Institute for Space Science-National Institute for Laser, Plasma and Radiation Physics	Coherent control of atoms with trains of ultrashort laser pulses under the electromagnetically induced transparency conditions	74.00
38	PN-II-ID-PCE-2012-4-0348	Fizica	Stefan	Mariana	National Institute of Materials Physics	Effect of the defect centers on the spectral properties of oxide nanoparticles	72.00
39	PN-II-ID-PCE-2012-4-0371	Fizica	Dita	Petre	Horia Hulubei National Institute of Physics and Nuclear Engineering-IFIN-HH	Flavour Physics in Quark and Neutrino Sectors	72.00
40	PN-II-ID-PCE-2012-4-0538	Fizica	cojocar	sergiu	Horia Hulubei National Institute for Physics and Nuclear Engineering	Nanoscale inhomogeneity and anomalous properties of high temperature superconductors	72.00
41	PN-II-ID-PCE-2012-4-0116	Fizica	Lazanu	Sorina	National Institute of Materials Physics	Energy transfer in the interaction of ions and molecular clusters with solids	71.67
42	PN-II-ID-PCE-2012-4-0607	Fizica	Stanculescu	Anca	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	NEW FLEXIBLE ALL-ORGANIC WITH NUCLEOBASES INSULATING LAYER FIELD EFFECT TRANSISTOR FOR FUTURE SENSING APPLICATIONS	71.34

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43	PN-II-ID-PCE-2012-4-0524	Fizica	Apostol	Marian	Research and Development National Institute of Physics and Nuclear Engineering - "Horia Hulubei"	Classical and Semi-Classical Interaction of Matter with the Electromagnetic Field	70.33
44	PN-II-ID-PCE-2012-4-0657	Fizica	Dondera	Mihai	University of Bucharest	Atomic systems in interaction with intense coherent radiation	69.67
45	PN-II-ID-PCE-2012-4-0626	Fizica	Condurache	Daniel	Universitatea Tehnica "Gheorghe Asachi"	New Approaches to Orbital Mechanics, with Applications to Spacecraft Formation Flying and Distributed Space Systems	69.01
46	PN-II-ID-PCE-2012-4-0220	Fizica	Dimitriu	Dan-Gheorghe	"Alexandru Ioan Cuza" University of Iasi	Instabilities and chaotic phenomena in low-temperature plasma	68.67
47	PN-II-ID-PCE-2012-4-0140	Fizica	Bratfalean	Radu	National Institute for Research and Development of Isotopic and Molecular Technologies	Gallium-based thermally-active optical reflectors with high contrast extinction ratio	67.00
48	PN-II-ID-PCE-2012-4-0390	Fizica	Petris	Adrian	Institutul National de Cercetare - Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Exploring and controlling femtosecond excited high-order optical nonlinearities in nano-structured materials	67.00
49	PN-II-ID-PCE-2012-4-0232	Fizica	Nedea	Silvia	Politehnica University of Bucharest	Efficient hybrid molecular simulations for temperature control and heat transfer phenomena	65.34
50	PN-II-ID-PCE-2012-4-0154	Fizica	Pantelica	Dan-Emanoil	Horia Hulubei National Institute of Physics and Nuclear Engineering, IFIN - HH	Spectroscopy of high spin states in nuclei near the N=38 shell gap	63.33
51	PN-II-ID-PCE-2012-4-0127	Fizica	Logofatu	Petre	Institutul National de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Sensitivity-optimized scatterometry by means of a new type of grating anomaly	62.33
52	PN-II-ID-PCE-2012-4-0134	Fizica	Coldea	Marin	Babes-Bolyai University, Faculty of Physics	Local magnetic moments in intermetallic compounds based on transition elements	61.67
53	PN-II-ID-PCE-2012-4-0515	Fizica	Felea	Daniel	Institute of Space Science	Intermittent and resonant type behaviors of the chaotic nuclear billiard	61.00
54	PN-II-ID-PCE-2012-4-0405	Fizica	Niculescu	Ecaterina Cornelia	Universitatea Politehnica Bucuresti	Tailoring the optoelectronic properties of laser-driven semiconductor nanostructures by the dielectric confinement effect	59.00
55	PN-II-ID-PCE-2012-4-0550	Fizica	BUZEA	Calin	National Institute of Research and Development for Technical Physics	In pursuit of new confinement and acceleration methods for charged particles and neutrals using an original complex magnetic field configuration	56.00
56	PN-II-ID-PCE-2012-4-0139	Fizica	Petrescu	Emil	Universitatea Politehnica din București	Investigation of nano-composite materials based on liquid crystals	55.67

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57	PN-II-ID-PCE-2012-4-0647	Fizica	Plugaru	Neculai	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA MATERIALELOR	Experiment and ab initio Calculations on Crystal and Magnetic Structures of RMn2O5 Bulk and Film Systems (R= 4f or 5d element)	55.00
58	PN-II-ID-PCE-2012-4-0108	Fizica	Vamos	Calin	Academia Romana Filiala Cluj-Napoca	Scale invariance of the superstatistical phenomena with applications in financial markets evolution	53.00
59	PN-II-ID-PCE-2012-4-0671	Fizica	Constantinescu	Radu Dan	University of Craiova	NEUROFIN - MODELS OF NONLINEAR DYNAMICS IN NEUROSCIENCES AND FINANCE	50.67
60	PN-II-ID-PCE-2012-4-0438	Fizica	Culetu	Hristu	Ovidius University of Constanta	Spherical Rindler-type Spacetime with Applications in Dark Energy Stars and Cosmological Black Holes	43.33
61	PN-II-ID-PCE-2012-4-0506	Fizica	Maricel	Agop	"Gheorghe Asachi" Technical University of Iasi	NONLINEARITY AND CHAOS IN COMPLEX PHYSICAL SYSTEMS AND MACROECONOMIC SYSTEMS. MODELING AND PREDICTABILITY.	33.01