

Programul RESURSE UMANE_Proiecte de cercetare postdoctorala_Competitie 2012
Rezultate preliminare - Fizica

Nr. Crt.	cod Proiect	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-RU-PD-2012-3-0154	Fizica	Nicolin	Alexandru	Horia Hulubei National Institute for Physics and Nuclear Engineering	Solitons, pattern-forming instabilities and vortices in dipolar Bose-Einstein condensates	96,83
2	PN-II-RU-PD-2012-3-0508	Fizica	Blagau	Adrian	Institute of Space Science -subsidiary of National Institute for Laser, Plasma and Radiation Physics	Estimating the parameters of a non-planar discontinuity in Space plasma: application to TerrEstrial Magnetopause (ESTEEM)	96,17
3	PN-II-RU-PD-2012-3-0583	Fizica	Ionita	Eusebiu-Rosini	National Institute for Laser, Plasma and Radiation Physics	Comparison of performances of dielectric barrier and bare electrodes atmospheric pressure plasma jet discharges.	93,17
4	PN-II-RU-PD-2012-3-0427	Fizica	Herea	Dumitru-Daniel	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA TEHNICA	Detection and identification of biomolecules of medical interest by using magnetic and optic processes	92,17
5	PN-II-RU-PD-2012-3-0318	Fizica	Sava	Tiberiu Bogdan	Institutul National de Cercetare Dezvoltare pentru Fizica si Inginerie Nucleara - Horia Hulubei	Development of a Moving Tape Collector at IFIN-HH Tandem Accelerator	91,67
6	PN-II-RU-PD-2012-3-0581	Fizica	Stancu	Elena Claudia	National Institute for Laser, Plasma and Radiation Physics	Functional wood surfaces by atmospheric pressure plasma processing	90,50
7	PN-II-RU-PD-2012-3-0248	Fizica	Rotaru	Marina	Horia Hulubei National Institute of Physics and Nuclear Engineering	Search for new physics in pp collisions at LHC energies	89,67
8	PN-II-RU-PD-2012-3-0067	Fizica	marius-adrian	husanu	National Institute of Material Physics	ferromagnetic induced behavior in graphenes doped with magnetic impurities	86,84
9	PN-II-RU-PD-2012-3-0010	Fizica	Streza	Mihaela	National Institute for Research and Development of Isotopic and Molecular Technologies Cluj Napoca, Romania	Thermal transport phenomena in dental fillers and fire retardants investigated by highly accurate photothermal radiometry	84,84
10	PN-II-RU-PD-2012-3-0249	Fizica	MADALIN ILIE	CHERCIU	Institute of Space Science	Reconstruction algorithm of neutrons using multi-layer neutron detectors	84,00
11	PN-II-RU-PD-2012-3-0434	Fizica	Ivan	Ion	National Institute of Materials Physics	Magnetic properties of high-temperature superconducting thin and thick films	83,67
12	PN-II-RU-PD-2012-3-0251	Fizica	Cristina Ionela	Pachiu	The National Institute for Research and Development in Microtechnologies – IMT Bucharest	Unconventional approaches to micro and nano-fabrication of metamaterials for optical and acoustic applications	83,67
13	PN-II-RU-PD-2012-3-0601	Fizica	Matyas	Alpar	Universitatea Babes-Bolyai, Facultatea de Fizica	Extension of semiclassical theory and modeling of novel material systems for quantum cascade lasers	82,50
14	PN-II-RU-PD-2012-3-0112	Fizica	Buganu	Petrica	Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering	Shape phase transitions in even-even and odd-A nuclei	81,00
15	PN-II-RU-PD-2012-3-0372	Fizica	Cozar	Ionut Bogdan	National Institute for Research and Development of Isotopic and Molecular Technologies	Self - assembled monolayers - Applications in molecular detection	80,99
16	PN-II-RU-PD-2012-3-0352	Fizica	IONEL	Laura Emilia	National Institute for Laser, Plasma and Radiation Physics	Holographic beam shaping for laser micro-patterning	80,67

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17	PN-II-RU-PD-2012-3-0593	Fizica	Maria Cristina	BARTHA	National Institute of Materials Physics	Electronic mechanisms and magnetic interactions involving multi-valence ions in new pyrochlores	80,50
18	PN-II-RU-PD-2012-3-0333	Fizica	Alexandru	Achim	NATIONAL INSTITUTE FOR LASER, PLASMA AND RADIATION PHYSICS	Development of new nonlinear optical crystals for efficient frequency conversion into green spectral range	79,33
19	PN-II-RU-PD-2012-3-0605	Fizica	Solomon	Marius Lucian	National Institute for Laser, Plasma and Radiation Physics	Contributions to diagnostics of magnetized plasma using electrical probes	78,49
20	PN-II-RU-PD-2012-3-0261	Fizica	Badescu	Alina	Institutul de Fizica si Inginerie Nucleara "Horia Hulubei"	Studies of the capabilities of the extended Auger Engineering Radio Array	77,21
21	PN-II-RU-PD-2012-3-0008	Fizica	Contulov	Mirela	Ovidius University of Constanta	The novel implementation concept Magnetically Gaseous Thermionic Vacuum Arc (MGTV) for growth of hydrogenated DLC (a-C:H) thin films	77,00
22	PN-II-RU-PD-2012-3-0052	Fizica	Ghenescu	Veta	Institute of Space Science	Sensors studies for Future Linear Coliders	76,99
23	PN-II-RU-PD-2012-3-0018	Fizica	Gurau	Daniela	Horia Hulubei National Institute of Physics and Nuclear Engineering	Developing of a calculation technique for assessment limits of variation of HPGe detector response matrix	76,67
24	PN-II-RU-PD-2012-3-0137	Fizica	Budaca	Radu	„Horia Hulubei” National Institute for Research and Development in Physics and Nuclear Engineering	Semiclassical approach to the wobbling phonon excitations in triaxial strongly deformed nuclei.	75,83
25	PN-II-RU-PD-2012-3-0497	Fizica	Popa	Florian Catalin	Institute of Space Sciences	Third Rank Killing-Yano Tensors in Gravitation and Associated Dirac Type Operators	75,33
26	PN-II-RU-PD-2012-3-0110	Fizica	Dancus	Ioan	University POLITEHNICA of Bucharest	New molecular scale structures for biophotonics applications	73,16
27	PN-II-RU-PD-2012-3-0232	Fizica	Mogildea	George	National Institute for Laser, Plasma and Radiation Physics –Institute of Space Science	Metal Plasma Generator for Space Propulsion	71,00
28	PN-II-RU-PD-2012-3-0407	Fizica	SOCOL	MARCELA	National Institute of Materials Physics	Organic solar cells structures based on multilayer transparent conductor oxide electrodes	68,66
29	PN-II-RU-PD-2012-3-0517	Fizica	Garoi	Florin	National Institute for Laser, Plasma and Radiation Physics	Integrated laser interferometry for adaptive wavefront sensing and phase characterization.	68,66
30	PN-II-RU-PD-2012-3-0487	Fizica	Pavelescu	Alexandru Octavian	Horia Hulubei National Institute of Physics and Nuclear Engineering	Assessment of dose rates and mitigation of risks from the decontamination of VVR-S research reactor hot-cells, using robotic technology	63,33
31	PN-II-RU-PD-2012-3-0480	Fizica	Bazaru Rujoiu	Tatiana	Institutul National de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Complex optical studies of nonlinear silicon nanostructures for photonics applications	63,33
32	PN-II-RU-PD-2012-3-0312	Fizica	Mirea	Dragos Alexandru	National Institute of Materials Science	AFM approach to study Fucoïdan’s ability to detect P- L- and E-Selectin inflammatory markers	62,66

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33	PN-II-RU-PD-2012-3-0639	Fizica	Tanase	Sorin Iulian	Faculty of Electrical Engineering and Computer Science, "Stefan cel Mare" University	Elaboration and characterization of new multifunctional magnetic nanostructures for spintronics and nonoelectronics.	59,33
34	PN-II-RU-PD-2012-3-0474	Fizica	Turcu	Vlad	Academia Romana Filiala Cluj-Napoca	Interplay between orbital and intrinsic variability in chromospherically active eclipsing binaries	54,83