

### Subprogramul 5.1 ELI-RO: Rezultatele Competiției Aprilie 2016

#### Proiecte acceptate la finanțare

Nr.crt	Cod proiect	Instituție Conducătoare	Director proiect	Titlul proiectului	Acronim	Punctaj obținut
1	07-ELI	IFIN-HH	Tiberiu SAVA	Design study of a cryogenic stopping cell (CSC) demonstrator for the ELI-NP IGISOL beam line	CSCDEMO	100
2	10-ELI	ACCENT PRO 2000 SRL	Mihai IOVEA	Support action for gamma beam industrial imaging applications development at ELI-NP	ELITOMO	100
3	17-ELI	INFLPR	Aurelian MARCU	Electromagnetic Shielding Structures to assure Biological Safety during target hitting experiments performed on PW Laser Facilities	BIOSAFE	100
4	18-ELI	INCDFM	Cristian M. TEODORESCU	Surface Science with Positrons: Optimization of solid Ne Moderators and First PAES Experiments	SuSciPo	100
5	03-ELI	INCDTIM	Tosa VALER	Laser pulse propagation at relativistic intensities	ProPW	97
6	20-ELI	INFLPR	Dan C. DUMITRAȘ	Development of a Novel 2D Detector Array for Dosimetric Characterisation of ELI Laser Accelerated Charged Particle Beams	ELIDOSE	95
7	23-ELI	IFIN-HH	Dorina ARANGHEL	Studies concerning the materials behaviour used for passive dosimeter systems in high intensity radiation fields at ELI-NP	OSL - SSNTD	95
8	25-ELI	INFLPR	Marian ZAMFIRESCU	Laser targets for ultraintense laser experiments	TARGET	95
9	27-ELI	IFIN-HH	Nikolay DJOURELOV	Development of new experimental setups and materials for the positron convertor and moderator for the ELINP positron beam line	COMPOSITE	95
10	29-ELI	UB-FF	Virgil BĂRAN	Advanced modeling of electrodynamic and nuclear interactions at ELI-NP	AMENI	95
11	30-ELI	INFLPR	Mihai DINCA	Development of terahertz diagnostics and imaging instrumentation for high power laser experiments at ELI-NP	TERAELI	95
12	32-ELI	UVT	Daniel VIZMAN	Physical and numerical experiments for studying the laser accelerated particles and their interaction with crystalline materials	ELICRY-2	95
13	24-ELI	INFLPR	Constantin DISPLASU	Temporally resolved diagnostics of laser produced plasma for electron acceleration foreseen to be used at ELI-NP	TEDILAPLAS-ELINP	94
14	04-ELI	IFIN-HH	Șerban MIȘICU	Quasi-classical methods in Laser - Nucleus Interactions	QLASNUC	93
15	16-ELI	UTBV	Paul N. BORZA	Interaction chamber with alignment integrated system over Gamma beam	ELICAM-GAMMA	93
16	13-ELI	IVB	Mihai E. HINESCU	Development of the national technological platform for investigating the interaction of complex biological systems with space radiations in the context of ELINP	ABEL	91
17	19-ELI	ICSI	Mihai VARLAM	eXtremely High Vacuum for ELI	XHVELI	91
18	01-ELI	IFIN-HH	Sorin G. PASCU	Approaching day-one experiments with the GBS at ELI-NP	ADAGIO	91

### Proiecte cu punctaj peste pragul de 70 de puncte neselectate spre finanțare

Nr.crt	Cod proiect	Instituție Conducătoare	Director proiect	Titlul proiectului	Acronim	Punctaj obținut
1	08 - ELI	INFLPR	Olimpia BUDRIGĂ	Simulations of Ultra-High Intensity LASer Pulse InTEraction with Solid TARgeTS	SIMULATESTARTS	90
2	12 - ELI	INCDFM	Viorel Constantin SANDU	Interaction of ultra intense laser beams with the new superconductors and magnetic glass-ceramics	LASSUPER	90
3	14 - ELI	ICPE-CA	Ion DOBRIN	Large Acceptance Angle Dipole Magnet for the measurement of electrons and positrons energy at ELINP	LAADMAG	90
4	22 - ELI	INFLPR	Gheorghe DINESCU	Nanoparticle beams as target for interaction with high power lasers	TARGET-np	89
5	21 - ELI	IFIN-HH	Dana NICULAE	Targeted endoradiotherapy in cancer: design and proof-of -concept for nanostructured radiopharmaceuticals based on radioisotopes produced via the ( $\gamma$ , n) reaction	RADIONANOTHER	85
6	11 - ELI	ACCENT PRO 2000 SRL	Mihai IOVEA	MULTi-Spectral Imaging of X and Gamma rays for diagnostic of laser-target interaction at ELI-NP experiments	MUSIX-PW	85
7	06 - ELI	INFLPR	Dan SPOREA	Optical fibers	OPEN	80
8	02 - ELI	IFIN-HH	Vlad AVRIGEANU	Alpha-particle optical model potential and $\gamma$ -ray strength function effects on ( $\gamma$ , $\alpha$ ) and ( $\alpha$ , $\gamma$ ) reaction cross-section assessment	APOMSF	75
9	15 - ELI	UB-FF	Mihaela SIN	Photon Induced Reaction evaluations for ELI	PIRELI	73
10	28 - ELI	INFLPR	Maria DINESCU	ELI-NP targets – present and future	ELITAR	72

### Proiecte neeligibile pentru finanțare (cu punctaj sub pragul de 70 de puncte)

Nr.crt	Cod proiect	Instituție Conducătoare	Director proiect	Titlul proiectului	Acronim	Punctaj obținut
1	05 - ELI	INFLPR	Andreea GROZA	Innovative system for monitoring and optimization of the temporal profile of a PW class laser beam for laser proton driven acceleration experiments with thin solid targets	INSTPLB	60
2	09 - ELI	IFIN-HH	Cătălin BORCEA	Methodical preparations for characterization of accelerated beams (AB) produced with high power lasers. The problem of electromagnetic pulse	EMPCURE	44
3	31 - ELI	INFLPR	Cătălin-Romeo LUCULESCU	Probing the birefringence of the quantum vacuum for high-intensity laser beam characterization	HILAS	38
4	26 - ELI	INCDFM	Victor Eugen KUNCSER	Micro- and Nano-structured Solid State Targets for Laser Driven Ion Acceleration	STAR_LDIA	28