

Seminar general

ELI-NP/IFIN-HH participation in IMPULSE project and preparation for integrated operation within ELI ERIC

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DFN & ELI-NP

IMPULSE project was submitted in March 2019 in answer to H2020 INFRADEV-04-2019 call and started on 1st of November 2020. The participants are: ELI-DC (to become soon ELI ERIC), the 3 ELI pillars in Czech Republic, Hungary and Romania, and other 11 institutions from 6 European countries. From a total of 20 MEuro, the budget of ELI-NP/IFIN-HH in the project is 4 MEuro, equal to budget of the other two ELI pillars and of ELI-DC.

The main goal of the project is to support the transition of the 3 ELI infrastructures from construction phase to a stable operation integrated within a single organization, ELI ERIC. The project has scientific goals such as the study of key technologies to assure a stable operation, development of capabilities to perform experiments and support the users, and also non-scientific objectives: design and implementation of similar resource management rules, of operation procedures and characterization of primary and secondary sources (lasers and respectively radiation generated by lasers), of data base for spare parts, etc. The actual legal transition to an integrated operation is foreseen in the project for the ELI pillars in Czech Republic and Hungary, while for ELI-NP the project offers the support for preparation of a fast integration as soon as Romania will become ELI ERIC member.

Because ELI-NP integration in ELI ERIC is indirectly linked to the legal conflict with EuroGammaS Consortium, we will also present the option of using the equipment produced by EuroGammaS which is currently on ELI-NP site to build in IFIN-HH a facility for production of radioactive ion beams and of radioisotopes for medical applications driven by an electron accelerator. Although this initiative is in an early stage of analysis, the possibility to create a competitive infrastructure at European level, complementary to other existing or under construction facilities in the field of radioactive beams, clearly emerged.

Vineri, 20 noiembrie 2020, ora 10⁰⁰ , Conexiune ZOOM
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