

Extreme Light Infrastructure - Nuclear Physics (ELI-NP): Status and Perspectives

Thursday, 15 October 2015 09:45 (20 minutes)

Extreme Light Infrastructure - Nuclear Physics (ELI-NP) will be a unique research facility to investigate the impact of very intense electromagnetic radiation on matter with specific focus on nuclear phenomena and their applications. The experiments will be based on a 2x10PW Laser Beam and on a very high brilliance Gamma Beam produced by Compton backscattering of light photons on electrons accelerated by a LINAC. The description of the future ELI-NP facility operational in 2018 and of the planned experiments will be presented.

Primary author: Dr ZAMFIR, Victor (ELI-NP, Bucharest-Magurele, Romania)

Presenter: Dr ZAMFIR, Victor (ELI-NP, Bucharest-Magurele, Romania)

Session Classification: Applications Physics of Giant Acceleration

Track Classification: Presentations