

Current and future nuclear physics research at IFIN-HH Bucharest, Romania

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ABSTRACT

I will use the occasion I am back at the Cyclotron to describe briefly the existing and future facilities and the current and planned research in my old/new work place, the National Institute for Physics and Nuclear Engineering (IFIN-HH), Bucharest-Magurele, Romania. A 700 people strong institution of 12 different departments, it has diverse activities ranging from fundamental research in low energy nuclear physics, to elementary particles and string theory, and with applications from radioisotope production or environmental studies to analyses by atomic and nuclear methods and to training of personnel for economy. Research is done with in-house facilities or thru international collaborations, including memberships in CERN, FAIR and JINR-Dubna In the end I will present the future ELI-NP (Extreme Light Infrastructure - Nuclear Physics) facility under construction in the institute near Bucharest, Romania.