

Status of the High Intensity Proton Beam Facility at LNL

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In 2013 the SPES (Selective Production of Exotic Species) project has entered in the construction phase at Laboratori Nazionali di Legnaro (LNL). The project, whose main goal is the research in nuclear physics with Radioactive Beams, has foreseen the construction of a new building hosting the accelerator able to deliver protons up the energy of 70 MeV and 700 uA current (50kW of beam power). The new facility design has been expanded and upgraded for taking advantage of the dual simultaneous extraction of beams from the Cyclotron in order to provide a multipurpose high intensity irradiation facility. Today the new facility is partially completed and the Cyclotron supplied by BEST Theratronics company (CANADA) with the related beam transport lines are under commissioning. The status of the commissioning of the high power accelerator and the capabilities of the facility as multipurpose high intensity proton beam laboratory will be presented.

If a proceedings is prepared, will you submit a contribution?

no

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