

## A Linac for hadrotherapy

*Thursday, 4 September 2014 09:30 (30 minutes)*

The TOP IMPLART project is a program aiming the construction of a prototype facility for protontherapy application carried on in ENEA (Italian National agency for new technologies, Energy and sustainable economic development) in collaboration with con ISS (Italian National Institute of Health) and IFO-IRE (Regina Elena National Cancer Institute in Rome) and with a Regione Lazio grant. The project is centered on a medium energy proton accelerator designed as a sequence of linear accelerators. Two phases of construction are foreseen: the first, with a maximum energy of 150 MeV and the second up to 230 MeV. The segment up to 150 MeV is under construction and the various accelerating modules are in construction and being tested. The basic concepts of the design and future perspectives are described here.

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