



Contribution ID: 33

Type: Oral

MUNES project: status and perspectives of an RFQ based neutron facility in Italy

Thursday, 4 October 2012 09:30 (30 minutes)

In the framework of MUNES (MUltidisciplinary NEutron Source) project, INFN is building an accelerator driven neutron source devoted to BNCT applications and to nuclear waste characterization. The source is based on three key components that were developed in the last few years at Legnaro National Laboratory (LNL): a high intensity proton injector, a high power Radio-Frequency Quadrupole (RFQ) and a high efficiency Beryllium converter. Accelerator status, recent RFQ high power test results and future plans will be presented.

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Session Classification: Technical Report 2