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Future Developments at ISOLDE

Tuesday 18 December 2012 17:00 (30 minutes)

The ISOLDE Facility is going through a substantial change, both in terms of infrastructure and new developments for the improvement of radioisotope production. The target area upgrade project includes the replacement of the target handling robots and the installation of the alpha gamma hot cell required for the waste treatment of irradiated target units. As part of the HIE-ISOLDE project, the Design Study is addressing issues associated with the increase in proton-beam intensity from the commissioning of Linac 4 and the improvement of beam quality delivered to the user community. The Test Storage Ring (TSR) project is also advancing, to the extent that it could be operational by 2016. Another exciting prospect is the Booster upgrade from 1.4 GeV to 2 GeV and the impact that this will have on isotope production if made available to the ISOLDE facility. This presentation will give an overview of the above and other future developments and give an insight to the future of ISOLDE operation.

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Session Classification: Celebrating 20 years of ISOLDE at the PSBooster