

HIE-ISOLDE: news from the other side

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The increase in proton beam intensity, due to the both completion of Linac 4 and a change in the basic period of the PSB cycle, is an essential criterion for the success of the full HIE-ISOLDE project. In order to accommodate a possible 10 μ A proton-beam to ISOLDE, a complete overhaul of the existing target area infrastructure is required. A factor of 5 proton-beam increase inevitably leads to higher radiation levels and consequently, a need to improve shielding and a re-design of the target and frontend systems. Auxiliary equipment, such as the remote handling robots, will also have to be modified. This talk will outline the relative issues associated with this upgrade and will summarize progress.

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