

The TSR at ISOLDE: status and future prospects

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The goal of TSR@ISOLDE initiative is to place the Test Storage Ring (TSR) from MPI-K, Heidelberg, after the HIE-ISOLDE linac to perform experiments with stored exotic nuclides. With the integration of TSR at HIE-ISOLDE it would become the first storage ring at an isotope separator on-line facility. A substantial fraction of the vast number of radioactive beams produced at the ISOLDE facility could be injected into the ring for storage, beam deceleration or acceleration.

The initiative at its present stage will be summarized, specifically the interfacing of the ring with the HIE-ISOLDE linac and a tentative layout of experimental areas will be introduced. The results from the recently concluded extensive integration study covering the technical aspects of the move and integration into the CERN accelerator environment will be presented, in addition to next steps and future prospects.

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