

Novel radioactive ion beams developed at ISOLDE

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The Target & Ion Source Development program (TISD) at CERN-ISOLDE aims at developing novel target materials and ion source concepts in order to provide beams that were not accessible previously in sufficient intensities at ISOLDE. During this running period, tests of a novel neutron converter design, nanocrystalline UCx and CaO targets, a liquid salt target, and a Helicon-type rf powered ion source were realized. This presentation reviews the latest results of the program and provides an outlook on future developments relevant for HIE-ISOLDE.

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