

The HIE-ISOLDE Project

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The HIE-ISOLDE project will be an important upgrade of the existing ISOLDE radioactive ion-beam facility at CERN. The present energy of 3MeV/u for post-accelerated radionuclides will be boosted to up to 10MeV/u which will allow experiments to address many more exotic nuclides using, e.g., Coulomb excitation and nucleon transfer. A R&D program on the superconducting linear accelerator is ongoing and cavity manufacturing with prototype and sputtering tests is in an advanced state. Besides the energy upgrade, the beam quality has already been improved and the beam intensity is supposed to be increased in the near future. An overview of the HIE-ISOLDE project and the present status will be given.

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