

## **Facility upgrade at Texas A&M University for Accelerated Radioactive Beams**

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The Cyclotron Institute is now in the second year of an upgrade project that will ultimately lead to re-accelerated radioactive ion beams at intermediate energies. The upgrade is being funded by the U.S. Department of Energy, The Robert Welch Foundation and Texas A&M University. The upgrade involves reactivating our K150 cyclotron and using it both as a stand-alone machine for boosting existing radioactive ion beam capabilities and as a driver to produce radioactive ions which will be stopped in ion-guide cells, charge boosted in an ECR ion source, transported and reaccelerated in our K500 superconducting cyclotron. Both light-ion guides, based on the IGISOL design, and heavy ion-guides based on the Argonne National Laboratory design are being planned for the facility. Details about the upgrade project will be given including the concept, funding, the present status and future schedule.