

Abstract Submitted
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Status of the ReAccelerator Facility ReA for Rare Isotopes DANIELA LEITNER, MSU/FRIB, JOHN POPIELARSKI, FRIB, ALAIN LAPIERRE, FERNANDO MONTES, GEORGIOS PERDIKAKIS, STEFAN SCHWARZ, MSU, WALTER WITTMER, XIAOYU WU, FRIB — The Facility for Rare Isotope Beams (FRIB) at Michigan State University (MSU) is currently in the preliminary design phase. FRIB consists of a heavy ion driver LINAC, followed by a fragmentation target station, a fragment separator, a gas stopping area, experimental areas for fast and stopped beams, and a ReAccelerator facility (ReA). In its final configuration, ReA will provide heavy ion beams from 0.3 MeV/u to 12 MeV/u for heaviest ions and up to 20 MeV/u for light ions. The first stage of ReA is already under commissioning and will be connected to the Coupled Cyclotron Facility at MSU by the end of 2012. The front end of the accelerator consists of a gas stopper, an Electron Beam Ion Source/Trap (EBIT) charge state booster, a room temperature RFQ, followed by a short SRF LINAC. An overview and status of the ReA facility will be presented and will be focused on the testing and ongoing beam commissioning. A schedule for the completion of the first stage and proposed energy upgrades will be described. In addition, the beam line layout of the experimental hall will be described.

Daniela Leitner
MSU

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