

Muon Ionization Cooling R and D in the MuCool program

Tuesday 28 July 2009 14:00 (30 minutes)

The MuCool program focuses on studying the components needed for a muon ionization cooling channel. These include normal-conducting RF cavities, liquid hydrogen and lithium hydride absorbers and superconducting solenoids. This talk will describe the facility that has been built at Fermilab to carry out this R and D, will outline the various aspects of the program and will give the latest results concerning high-gradient RF cavity operation and absorber R&D. Finally, the program goals for the next 2-3 years will be described.

Author: Prof. BROSS, Alan (Fermilab)

Presenter: TORUN, Yagmur (Illinois Institute of Technology)

Session Classification: Accelerators II

Track Classification: Accelerator Physics