APR10-2009-001061

Abstract for an Invited Paper for the APR10 Meeting of the American Physical Society

Key R&D challenges for a muon collider ANDREAS JANSSON, Fermilab

Recently, there has been renewed interest in Muon Colliders in the US. A Muon Collider could reach the energy frontier, and would fit on an existing lab site. However, the technology is not yet proven. A national plan, outlining the critical R&D that is needed to demonstrate Muon Collider feasibility, was recently produced. In this presentation, I will give an overview of the current status of Muon Collider R&D, and outline the elements of the plan.