



CERN Colloquium

SPEAKER: Allen Caldwell (Max Planck Institute)
TITLE: **Proton-driven Plasma Wakefield Acceleration**
DATE: Thu 29/03/2012 16:30
PLACE: Council Chamber

ABSTRACT

The construction of ever larger and costlier accelerator facilities has a limited future, and new technologies will be needed to push the energy frontier. Plasma wakefield acceleration is a rapidly developing field and is a promising candidate technology for future high energy colliders. We focus on the recently proposed idea of proton-driven plasma wakefield acceleration and describe the current status and plans for this approach.