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Proton Driven Plasma Wakefield Acceleration and High Energy eP and eA Physics

Wednesday 13 September 2017 09:00 (20 minutes)

The AWAKE project has as goal the demonstration of electron acceleration with proton-driven plasma wakefield acceleration. This technology could allow for high energy eP and eA experimentation using the CERN complex of accelerators. A review of the AWAKE program will be presented, as well as the outlook for physics applications. The synergies with the LHeC project will be discussed.

Presenter: CALDWELL, Allen Christopher (Max-Planck-Institut für Physik (DE))

Session Classification: Novel Strong Interaction Physics and Low x