

# Status and prospects of the AWAKE experiment

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AWAKE is a plasma wakefield acceleration experiment at CERN, using the 400 GeV proton bunch of the SPS to drive an accelerating gradient in the  $\text{GV m}^{-1}$  range. AWAKE aims to inject 15–20 MeV electrons into this plasma wakefield and accelerate them to GeV energies over 10 metres. An introduction to AWAKE and its physics will be presented, as well as an overview of the experimental apparatus and the most recent results. Longer term plans, including the future of the AWAKE facility and possible applications of the technology to HEP, will be discussed.

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