

NWS16-2016-000075

Abstract for an Invited Paper
for the NWS16 Meeting of
the American Physical Society

Probing Physics at the Energy Frontier with the Large Hadron Collider

ALISON LISTER, University of British Columbia

The Large Hadron Collider (LHC) located at CERN in Switzerland is colliding beams of protons at the energy frontier, currently running at a centre-of-mass energy of 13 TeV. Both the ATLAS and CMS experiments as well as the LHC accelerator are performing well, allowing us to probe a wide range of new physics scenarios, hoping to unveil some of the mysteries of our universe. Both direct searches for new particles and interactions as well as precision measurements of known processes will be presented, providing a broad overview of the physics highlights from the ATLAS and CMS experiments, including many recent results from the 2015 data run.