

Complementarity and Searches for Dark Matter in the pMSSM

Thursday, 15 August 2013 14:18 (24 minutes)

The search for and identification of neutralino dark matter in supersymmetry requires a multi-pronged approach with important roles played by collider, direct and indirect dark matter detection experiments. We summarize the sensitivity of such searches at the LHC, combined with those by Fermi, CTA, IceCube/DeepCore, COUPP and XENON1T, to such particles within the context of the 19-parameter phenomenological MSSM.

APS member ID

61151156

Primary authors: ISMAIL, Ahmed (SLAC); Prof. HEWETT, JoAnne (Stanford Linear Accelerator Center); CAHILL-ROWLEY, Matthew (SLAC); Dr RIZZO, Tom (SLAC)

Presenter: ISMAIL, Ahmed (SLAC)

Session Classification: Cosmic Frontier

Track Classification: Cosmic Frontier