4CF13-2013-000084

Abstract for an Invited Paper for the 4CF13 Meeting of the American Physical Society

The Status of Supersymmetric Dark Matter

PEARL SANDICK, University of Utah

One of the most exciting outstanding puzzles in modern physics is an explanation for the $\sim 85\%$ of the matter density of the Universe that we attribute to "dark matter." Supersymmetry, a compelling theory of physics beyond the Standard Model, may hold the answer. In this talk, I'll discuss the implications of results from the LHC and from dark matter searches for minimal supersymmetric models.