

APR13-2013-000155

Abstract for an Invited Paper
for the APR13 Meeting of
the American Physical Society

Dark Matter: Theory and Synthesis

JASON KUMAR, University of Hawaii

We discuss the connection between theoretical models for dark matter and the variety of search strategies being employed today. The correct interpretation of direct, indirect, and collider search data crucially depends on assumptions about the nature of dark matter and its interactions. We highlight the manner in which data from several experiments can be used to determine the nature and properties of dark matter.