



Theory Seminar

Monday, May 11, 2009 2:10 PM 831 Pupin Hall

"HIDDEN SECTORS AT A GEV"

I will discuss mechanisms for naturally generating GeV-scale hidden sectors in the context of weak-scale supersymmetry. Such low mass scales can arise when hidden sectors are more weakly coupled to supersymmetry breaking than the visible sector, as happens when supersymmetry breaking is communicated to the visible sector by gauge interactions under which the hidden sector is uncharged, or if the hidden sector is sequestered from gravity-mediated supersymmetry breaking. In this talk I will investigate the viability of the simplest Abelian GeV-scale hidden sectors in the context of gauge mediation.

David Poland, Harvard University

