

Astrophysical Susy The High Energy Density Frontier

Friday 27 August 2010 17:37 (15 minutes)

If broken susy is discovered at Fermilab or the LHC it may become more pressing to study the possibility of an exact susy phase to which an enhanced transition probability could arise in dense matter. In collaboration with Peter Biermann several astrophysical anomalies are addressed which could be attributed to this phase. Among these are the gap in the black hole mass distribution, the stalling out of supernovae in the standard model, the dearth of cold white dwarfs, and the surprising new indication that supernovae 1a cannot be adequately ascribed to accretion in binary systems

Primary author: Prof. CLAVELLI, Louis (University of Alabama)

Presenter: Prof. CLAVELLI, Louis (University of Alabama)

Session Classification: Astro 27-2 Chair: M. Drees

Track Classification: Astro