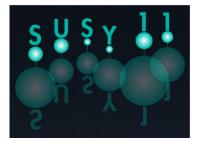
Supersymmetry 2011 (SUSY11)



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The Potential Fate of Local Model Building

Sunday, 28 August 2011 15:30 (20 minutes)

In recent years there has been a lot of interest in F-Theory GUTs, mostly considering local models. In this talk I first consider an SU(5) GUT locally at the "point of E_8". The requirements of proton stability and reasonable flavour structure single out exactly two models. However, both models cannot be embedded in a semilocal construction (via the spectral cover approach). This casts doubts on the predictivity of local models.

Presenter: Dr LUEDELING, Christoph **Session Classification:** Parallel Session 2