Geometrical hierarchies in classical supergravity

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We introduce a N = 1 supergravity model with a very simple hidden sector coupled to the electroweak gauge and Higgs sectors of the MSSM. At the classical level, supersymmetry and $SU(2) \times U(1)$ are both spontaneously broken, with vanishing vacuum energy. Two real flat directions control the two symmetrybreaking scales $m_{3/2}$ and m_Z . The two massless scalars are a gauge singlet and the standard Higgs boson. All other unobserved particles have masses of order $m_{3/2}$. This may be a new starting point for studying the compatibility of naturalness with the observed mass hierarchies.

Authors: Mr ZWIRNER, Fabio (Universita e INFN (IT)); LUO, Hui (Istituto Nazionale di Fisica Nucleare Sezione di Padova)

Presenter: LUO, Hui (Istituto Nazionale di Fisica Nucleare Sezione di Padova)

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