



Contribution ID: 360

Type: **not specified**

## On the Effective Description of Large Volume Compactifications

*Monday, 29 August 2011 12:35 (20 minutes)*

We study of the reliability of the Two-Step moduli stabilization in the context of type-IIB string compactifications, developing a compact manifold volume with exponential values. The general arguments are understood through the so called factorizable models of  $N=1$  SUGRA, where the decoupling between two field sectors is easily understood despite the lack of a mass hierarchy. It is shown that the simplified version, where the Dilaton and Complex structure are regarded as completely frozen, is a reliable SUSY description, missing only terms suppressed by powers of the volume, and/or are higher order operators in the matter fields irrelevant for moduli stabilization issues. This provided the frozen fields are neutral and fixed by the leading F-flatness solutions.

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**Session Classification:** Parallel Session 3