Organisé conjointement par
CPHT-École Polytechnique et Groupe Théorie IPN Orsay

SÉMINAIRE de PHYSIQUE des PARTICULES

Wilfried Buchmuller
(DESY, Hamburg, Germany)

Grand Unification and High-Scale Supersymmetry

Résumé :
We study supersymmetric unification in six space-time dimensions. The multiplicity of quark-lepton families and the breaking of supersymmetry are due to magnetic flux in the extra dimensions. Matching the Standard Model to a supersymmetric theory at the compactification scale imposes constraints on the Higgs sector. We obtain a family of de Sitter vacua for which the size of the extra dimensions can vary from the GUT scale down to the TeV scale.

Jeudi 30 Juin 2016

11:00

Salle de Conference