

Heterotic Z7 Orbifold and its Blowup

Monday, August 23, 2010 2:17 PM (15 minutes)

Heterotic String Theory compactified on Orbifolds provides exactly solvable models in 4D. Smooth Calabi-Yau compactifications obtained as deformations of some T6/Z7 orbifolds are studied by adding abelian gauge fluxes, which break the original E8xE8 gauge symmetry of the Heterotic Supergravity Action in 10D. We present two blow up models with the gauge group of the SM: One coming from an SM-like orbifold model, and the other being a blow up of an orbifold model with E6-gauge symmetry.

Primary author: Ms CABO BIZET, Nana (University Bonn)

Presenter: Ms CABO BIZET, Nana (University Bonn)

Session Classification: Formal 23-1 Chair: T. Grimm

Track Classification: Formal