

Takafumi Kai "Flavor, CP and Metaplectic Modular Symmetries in Type IIB Chiral Flux Vacua"

Friday, 10 November 2023 11:00 (25 minutes)

We examine symmetries of chiral four-dimensional vacua of Type IIB flux compactifications with vanishing superpotential $W=0$. We find that the $N=1$ supersymmetric MSSM-like and Pati-Salam vacua possess enhanced discrete symmetries in the effective action below the mass scale of stabilized complex structure moduli and dilaton. Furthermore, a generation number of quarks/leptons is small on these vacua where the flavor, CP and metaplectic modular symmetries are described in the framework of eclectic flavor symmetry.

Session Classification: Short talks