

## 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