

Constraints in smooth heterotic compactifications

Wednesday 14 July 2021 11:30 (30 minutes)

I will describe a number of non-trivial constraints that arise in smooth heterotic compactifications and can lead to the resulting 4-dimensional, $N=1$ effective theories being highly restricted in form. These include topological vanishings of heterotic tri-linear couplings, as well other aspects of the potential and constraints on how gauge symmetry is broken and what discrete symmetries can appear.

Presenter: Prof. ANDERSON, Lara (Virginia Tech)