

# Workshop on Grand Unified Theories: Phenomenology and Cosmology (GUTPC)

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## Modular Grand Unification Theories

*Wednesday, 10 April 2024 14:00 (30 minutes)*

Flavor symmetry and grand unified symmetry are powerful tools to address the flavor structure of quarks and leptons. It is appealing to combine flavor symmetry with grand unification theories. In modular flavor symmetry, the flavons are replaced by modular forms and thus the resulting models are very economic and predictive. In this talk, I shall discuss the grand unification theories with modular flavor symmetry, the predictions for the fermion masses and flavor mixing and the correlation with the baryon asymmetry of the Universe will be presented.

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