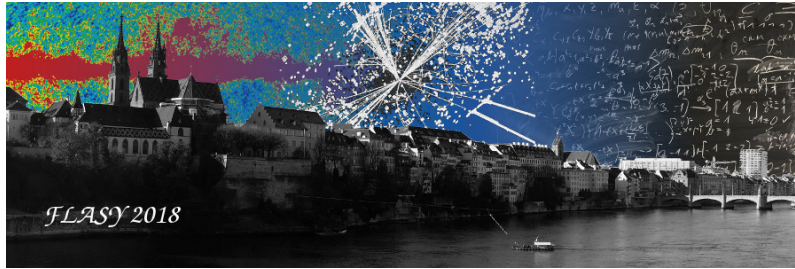


FLASY 2018: 7th Workshop on Flavour Symmetries and Consequences in Accelerators and Cosmology



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Are neutrino masses modular forms?

Thursday 5 July 2018 09:00 (30 minutes)

The hope of relating fermion masses and mixing angles to some fundamental underlying principle, has fostered an intense activity aimed at identifying possible symmetry patterns in the data. Neutrino masses and lepton mixing angles have played an important role in such attempts. In this talk I will illustrate a new class of models where the role of flavour symmetry is played by the modular invariance. Modular invariance is ubiquitous in string theory and in condense matter systems. I will explain how it can be exploited to constrain neutrino masses and mixing angles and I will illustrate its remarkable and unique properties in this context.

Author: Prof. FERUGLIO, Ferruccio (University of Padova)

Presenter: Prof. FERUGLIO, Ferruccio (University of Padova)

Session Classification: Morning Session I