



Contribution ID: 147

Type: **not specified**

TALK: Probing Baryon Number Violation in Neutron Stars

Wednesday, July 3, 2024 9:00 AM (45 minutes)

Author: Rouzbeh Allaverdi

I start by presenting minimal extensions of the Standard Model that accommodate low-scale baryogenesis. These models involve fermion singlets with baryon-number-violating couplings to quarks. Then I briefly discuss the consequences of these models for low energy and high energy experiments. Finally, I mention how neutron stars can be used to tightly constrain such interactions for GeV scale fermions.

Presenter: ALLAVERDI, Rouzbeh