Contribution ID: 6

Type: not specified

Parity solution to the strong CP problem and leptogenesis

Tuesday 16 May 2023 09:30 (25 minutes)

I discuss parity solutions to the strong CP problem which do not need an axion. It is implemented within the context of left-right symmetric models with minimal Higgs content and the universal seesaw mechanism using vector like fermions to generate quark and lepton masses. I discuss a way to understand the origin of matter-anti-matter asymmetry in these models using Affleck-Dine (AD) mechanism. The model has Dirac neutrinos whose small masses arise via the Dirac seesaw. I discuss some phenomenological implications of the model.

Author: MOHAPATRA, Rabindra Presenter: MOHAPATRA, Rabindra Session Classification: Cosmology