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VISHnu

Friday, 17 April 2026 08:40 (30 minutes)

I will describe the VISHnu model, which is a DFSZ axion-majoron model variant with the following features: (a) No cosmological domain wall problem, thus permitting a post-inflationary axion. (b) Identification of the Peccei-Quinn breaking scale with the type-I seesaw scale, thus explaining the tiny neutrino masses. (c) Baryogenesis via leptogenesis. (d) Successful inflation driven by a non-minimal coupling of the Peccei-Quinn scalar to the Ricci scalar. And, of course, (e) a solution to the strong CP problem.

Presenter: VOLKAS, Raymond (The University of Melbourne)

Session Classification: Plenary Theory 1: Flavor and CP Violation (Room 567, Chair Zhi-Wei Wang)