

PPC 2023: XVI International Conference on Interactions between Particle Physics and Cosmology

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New physics searches at future muon colliders

Tuesday, 13 June 2023 17:50 (20 minutes)

In this talk I will discuss the potential of muon colliders in finding new physics signals at muon colliders. I will briefly comment on the pros of muon colliders as compared to electron-positron colliders and hadron-hadron colliders. I will then discuss the dark-matter production at muon colliders in 54 production channels. Finally I will comment on the discovery potential for neutrino mass generation models taking the Zee-Babu model as an example.

Secondary category for the parallel session (optional)

Flavor Physics

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Track Classification: Parallel Sessions: Collider Physics