

Phenomenology 2019 Symposium



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Vectorlike leptons at future pp colliders

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Vectorlike leptons are an intriguing possibility for physics beyond the Standard Model. We study the reach for discovering or excluding models of vectorlike leptons that mix predominantly with the tau, using multilepton signatures at various future proton-proton collider options: a high-luminosity LHC with $\text{Sqrt}[s] = 14$ TeV, a high-energy collider with $\text{Sqrt}[s] = 27$ TeV, and possible new longer-tunnel colliders with $\text{Sqrt}[s] = 70$ or 100 TeV

Summary

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