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Muons and Fundamental Symmetries

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In this talk, I provide a general overview of muon physics and the role it can play in uncovering the Physics that lies beyond the Standard Model of Particle Physics. I concentrate on precision measurements of the muon anomalous magnetic moments and searches for charged lepton-flavor violation, emphasizing relations to the Physics uncovered by neutrino oscillation experiments and to searches for new degrees of freedom at high energy colliders.