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Isospin-breaking corrections in hadronic cross sections and tau decays

Tuesday 4 November 2025 15:50 (20 minutes)

Control over isospin-breaking corrections is an important requisite for the evaluation of hadronic contributions to the anomalous magnetic moment of the muon, both regarding the isospin rotation of hadronic tau decays and the comparison of data-driven evaluations of hadronic vacuum polarization with lattice QCD. In both cases, a key point concerns the definition of the isospin scheme. I will discuss recent work aimed at improving the required matching procedure.

Parallel Session (for talks only)

Quark and lepton flavor physics

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Session Classification: Hadronic contribution to the magnetic moment of muon