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Strong isospin breaking correction to hadronic vacuum polarization for the muon $g - 2$

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An ongoing project of the Fermilab Lattice, HPQCD, and MILC collaborations is the precision calculation of the hadronic vacuum polarization (HVP) contribution to the anomalous magnetic moment of the muon. In this talk, we present the strong isospin breaking corrections to the light-quark connected and disconnected contributions to HVP. This calculation employs seven HISQ ensembles with $N_f = 2 + 1 + 1$ flavors with lattice spacings in $[0.06, 0.15]$ fm. The contribution is computed on various windows.

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