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## **Hadronic vacuum polarization of the muon on 2+1+1-flavor HISQ ensembles: an update.**

*Monday, 26 July 2021 13:30 (15 minutes)*

We present an update, from the Fermilab Lattice, HPQCD, and MILC collaborations, of our results for the light-quark, connected contribution to the hadronic vacuum polarization correction to the muon's anomalous magnetic moment. The calculation is performed on 2+1+1 highly-improved staggered quark (HISQ) ensembles with physical pion mass at four lattice spacings (0.15fm-0.06fm). We also present preliminary results for a study of the two-pion contributions to the vector-current correlation function performed on the 0.15fm ensemble.

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