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## Progress on the Hadronic vacuum polarization contribution to muon g-2 from lattice QCD

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We give an update of our calculation of the light-quark, connected hadronic vacuum polarization contribution to the muon anomalous magnetic moment. The update includes preliminary results on a 2 + 1 + 1 highly-improved staggered quark (HISQ) ensemble from the MILC collaboration with physical pion mass, 0.042 fm lattice spacing, and size  $144^3 \times 288$  sites. We discuss code and algorithm improvements for these calculations to compute the vector-vector correlation function more efficiently.

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