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# Disconnected contributions to the hadronic part of the muon anomalous magnetic moment

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The goal of calculating the one loop hadronic contribution to the muon anomalous magnetic moment using lattice QCD, with an error under 1%, requires the calculation of the disconnected contributions. We discuss some of the numerical challenges of computing disconnected vector correlators, in lattice QCD calculations using the highly improved staggered quark (HISQ) action. We report preliminary results and compare them to the results from other lattice QCD calculations.

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