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Hadronic contribution to the muon magnetic moment at the physical point

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Recent phenomenological and lattice determinations of the anomalous magnetic moment of the muon a_μ hint at beyond the Standard Model physics on the 3-4 sigma level. Here we present lattice results for the leading order hadronic contribution of a_μ obtained from 2+1+1 flavor, staggered quark simulations at the physical point. The various quark flavor contributions, together with their systematics, will be discussed. The results are compared to existing ones in the literature.

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