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Leading-order hadronic contribution to $g_\mu - 2$ from $N_f = 2 + 1$ simulations down to the physical pion mass

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For the Budapest-Marseille-Wuppertal collaboration.

We present preliminary lattice QCD results for the leading-order hadronic contribution to the muon anomalous magnetic moment. Computations are based on 2+1 flavour simulations with HEX-smeared clover fermions and pion masses down to its physical value. Besides the traditional approach, several methods implementing derivatives of the hadronic vacuum polarization are investigated and compared.

Primary author: Mr MALAK, Rehan (Mr)

Presenter: Mr MALAK, Rehan (Mr)

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