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## Valence leading isospin breaking contributions to $a_\mu^{\text{HVP-LO}}$

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In the framework of the ongoing computation by ETMC of the leading-order hadronic vacuum polarization (HVP) contribution to the muon anomalous magnetic moment  $a_\mu^{\text{HVP}}$  in QCD+QED, we present preliminary results about the valence quark-connected isospin-breaking corrections to  $a_\mu^{\text{HVP-LO}}$ , at leading order in  $\alpha_{\text{em}} = e^2/4\pi$  and  $(m_d - m_u)/\Lambda_{\text{QCD}}$ . In our computation, we employ the RM123 approach to QCD+QED and here we focus on two different volumes ( $L \sim 3.8$  fm and  $L \sim 5.1$  fm) and a fixed lattice spacing (corresponding to  $a_{\text{isoQCD}} \sim 0.07951(4)$  fm).

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