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Electromagnetic isospin-breaking corrections to HVP from BMW lattice data

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Lattice data for the electromagnetic isospin-breaking correction to the hadronic vacuum polarization contribution (HVP) to the anomalous magnetic moment of the muon are analyzed in the framework of a phenomenological hadronic model. We find a steep chiral dependence and non-negligible finite-volume effects, which are quantified within the model.

Collaboration

Budapest-Marseille-Wuppertal Collaboration (BMW)

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