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Hadronic vacuum polarisation in $g-2$ and α_{QED}

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The Standard Model prediction of the anomalous magnetic moment of the muon is reviewed with emphasis on the hadronic vacuum polarisation contributions. The current status of these corrections is described, different evaluations are compared and future prospects for further reducing the error are discussed. Also discussed are the hadronic contributions to the running of the QED coupling and their role for $g-2$.

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