

Muon anomalous magnetic moment and transition form factors

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The status of the muon anomalous magnetic moment and, in particular, of its theoretical prediction within the Standard Model is described.

We briefly cover recent successes of experiments on the low energy e^+e^- annihilation and their relation to the hadronic vacuum polarization, explain the limitations due to the light-by-light term and focus on transition form factors. We discuss where and how they can be studied experimentally paying special attention to decays of pseudoscalar mesons.