

A dispersive estimate of the $f_0(980)$ contribution to $g-2$

Thursday 30 September 2021 12:10 (20 minutes)

In my talk, I will present a dispersive estimate of the $f_0(980)$ contribution to $(g-2)_\mu$. The performed analysis is a coupled-channel extension of the previous work, where $f_0(500)$ has already been addressed. Important ingredients are $\gamma^*\gamma^* \rightarrow \pi\pi$ and $\gamma^*\gamma^* \rightarrow K\bar{K}$ S-wave helicity amplitudes which rely on the novel unitarization scheme for studying hadronic interactions beyond the threshold region.

What is your topic?

Anomalous Magnetic Moment of the muon

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