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Quark mass dependence on D_{s0}^{*} resonance

Friday, 23 June 2023 15:00 (20 minutes)

We study the light and heavy quark mass dependence of the low-lying charmed mesons in the framework of one-loop $HH\chi$ PT. The low energy constants are determined by analyzing the available lattice data from different LQCD simulations. Model selection tools are implemented to determine the relevant parameters as required by data with a higher precision.

By fitting energy levels we extract results for the D_{s0}^{*} quark mass dependence.

Collaboration

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