

A data-driven model-independent approach to π^0 , η and η' single and double Dalitz decays

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Collaboration

Abstract content

The dilepton invariant mass spectra and branching ratios of the single and double Dalitz decays $P \rightarrow l^+l^-\gamma$ and $P \rightarrow l^+l^-l^+l^-$ ($P = \pi^0, \eta, \eta', l = e$ or μ), are predicted by means of a data-driven model-independent approach based on the use of rational approximants applied to π^0, η and η' transition form factor experimental data in the space-like region.

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