

Pion transition form factor to a highly off-shell and a quasi on-shell photon

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Collaboration

Abstract content

Experimental efforts like the ones in Babar and Belle Experiments have contributed importantly in the last few years towards our improved understanding of the pion transition form factor to two photons. The modern challenge is to start from QCD's fundamental degrees of freedom, namely quarks and gluons, and map out quantitative predictions for this form factor in a unified picture which ranges from non-perturbative to the asymptotic domain of the theory. In continuum, systematically improvable modeling of the Schwinger-Dyson equations holds the promise to undertake this challenge. I present the recent results obtained within this approach.

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