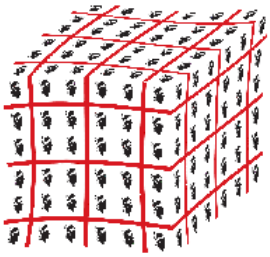

Contribution ID: **223** Type: **not specified**

Two-photon decay of π^0 from two-flavor lattice QCD

Thursday, 17 June 2010 16:40 (20 minutes)

We discuss chiral and momentum extrapolation of the transition form factor of π^0 to two-photon using one-loop chiral perturbation theory (ChPT). Fitting the lattice data with the ChPT formula obtained for off-shell photons, we estimate low-energy constants that describe mass and momentum dependence of the π^0 to two-photon decay, which can be used to estimate the physical $\pi^0 -> \gamma\gamma$ amplitude.

Please, insert your presentation type (talk, poster)

talk

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