

ICHEP2012



Contribution ID: 554

Type: **Poster Sessions**

The light pseudoscalar meson transition form factor

Saturday, 7 July 2012 18:00 (1 hour)

We use the light front quark model in order to improve the theoretical prediction of the transition form factor of π^0 (η) to $\gamma^* \gamma$ as a function of the momentum transfer Q^2 . We compare our result with the experimental data by BaBar as well as other calculations based on the LFQM. We show that our predicted form factor fits well with the experimental data, particularly those at the large Q^2 region.

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Session Classification: Poster Session

Track Classification: Track 7. CP Violation, CKM, Rare Decays, Meson Spectroscopy