



ID de la contribución : 160

Tipo : Poster

## ChiPT tests at NA48 and NA62 experiments at CERN

New final results from an analysis of about 400  $K^{+-} \rightarrow \pi^{+-} \gamma \gamma$  rare decay candidates collected by the NA48/2 and NA62 experiments at CERN during low intensity runs with minimum bias trigger configurations are presented. The results include a model-independent decay rate measurement and fits to Chiral Perturbation Theory (ChPT) description. The data support the ChPT prediction for a cusp in the di-photon invariant mass spectrum at the two pion threshold.

### Summary

**Primary author(s)** : Dr. LAZZERONI, Cristina (University of Birmingham)

**Presenter(s)** : Sr. VELGHE, Bob (UC Louvain (Belgium))

**Clasificación de temáticas** : Strong Interactions and Hadron Physics