



Contribution ID: 105

Type: Talk

Isospin breaking effects in the $K^+ \rightarrow \pi^+ e^+ e^-$ decays

Monday, June 29, 2015 3:40 PM (20 minutes)

The very precise data obtained by the NA48/2 collaboration at the CERN SPS on the decay channels $K^+ \rightarrow \pi^+ \pi^- e^+ e^-$ and $K^+ \rightarrow \pi^0 \pi^+ e^+ e^-$ have made it necessary to address issues related to isospin breaking due to the pion mass difference in the phases of the form factors for the $K^+ \rightarrow \pi^+ \pi^- e^+ e^-$ decay amplitude, the cusp in the decay distribution of the $K^+ \rightarrow \pi^0 \pi^+ e^+ e^-$ mode, and radiative corrections.

Primary author: KNECHT, Marc (CNRS/CPT, Marseille)

Presenter: KNECHT, Marc (CNRS/CPT, Marseille)

Session Classification: Parallel Session 1 - Goldstone Boson WG

Track Classification: Goldstone Boson Working Group