



Contribution ID: 627

Type: **Oral Presentation**

Neutral pion form factor measurement by the NA62 experiment (12' + 3')

Saturday, 6 August 2016 17:20 (15 minutes)

The NA62 experiment at CERN collected a large sample of charged kaon decays with a highly efficient trigger for decays into electrons in 2007. The kaon beam represents a source of tagged neutral pion decays in vacuum. A measurement of the electromagnetic transition form factor slope of the neutral pion in the time-like region from ~ 1 million fully reconstructed π^0 Dalitz decay is presented. The limits on dark photon production in π^0 decays from the earlier kaon experiment at CERN, NA48/2, are also reported.

Primary author: LAZZERONI, Cristina (University of Birmingham (GB))

Presenter: GOUDZOVSKI, Evgueni (University of Birmingham)

Session Classification: Strong Interactions and Hadron Physics

Track Classification: Strong Interactions and Hadron Physics