



Contribution ID: 350

Type: **Parallel Session Talk**

## Recent results on Kaon decays from NA48/2

*Thursday 11 April 2019 12:03 (26 minutes)*

Final results of recent NA48/2 measurements are presented.

The charged kaon semileptonic form factors have been precisely measured from 4.4 million  $Ke_3$  and 2.3 million  $K\mu_3$  events collected in 2004.

In addition, the first observation of the  $K^{+-} \rightarrow \pi^{+-} \pi^0 e^+ e^-$  decay is reported, with a sample of about 4900 candidates and less than 5% background.

The measured branching ratio in the full kinematic region is  $(4.24 \pm 0.14) \times 10^{-6}$ , in good agreement with ChPT predictions.

**Author:** NA48/2 COLLABORATION

**Presenter:** Prof. BIZZETI, Andrea (Universita di Modena e Reggio Emilia e INFN, Firenze (IT))

**Session Classification:** WG4: Hadronic and Electroweak Observables

**Track Classification:** WG4: Hadronic and Electroweak Observables