

## Excited QCD 2019



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### New NA48/2 results on rare kaon decays

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NA48/2 results related to ChPT testing are presented.

A most precise measurement of the charged kaon semileptonic form factors has been obtained from 4.4 million  $K_{e3}$  and 2.3 million  $K_{\mu 3}$  events collected in 2004. In addition, the branching ratio of the  $K^{+-} \rightarrow \pi^{+-} \pi^0 e^+ e^-$  decay, never observed so far, has been obtained from a sample of about 4900 candidates, with less than 5% background. The branching ratio in the full kinematic region is  $(4.24 \pm 0.14) \times 10^{-6}$ , in agreement with ChPT predictions.

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