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Rare kaon decays from NA62

Thursday, May 20, 2021 12:30 PM (30 minutes)

Historically important to build the Standard Model (SM) of particle physics, rare kaon decays are still a privileged tool to look beyond it. Current research focuses mostly on $K \to \pi\nu\bar{\nu}$ decays which are predicted with good accuracy within the SM and beyond. NA62 is the CERN experiment at the SPS built to study precisely $K^+ \to \pi^+\nu\bar{\nu}$ and other rare decays. The branching ratio measurement BR ($K^+ \to \pi^+\nu\bar{\nu}$) based on the full 2016-2018 data set will be presented. The latest results from other searches will also be reported.

Collaboration

NA62

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