



**38th INTERNATIONAL CONFERENCE
ON HIGH ENERGY PHYSICS**

AUGUST 3 - 10, 2016
CHICAGO

Contribution ID: 628

Type: **Oral Presentation**

Search for K^+ to π^+ $\nu \nu$ at NA62 ($10' + 5'$)

Saturday, 6 August 2016 15:35 (15 minutes)

$K^+ \rightarrow \pi^+ \nu \nu$ is one of the theoretically cleanest meson decay where to look for indirect effects of new physics complementary to LHC searches. The NA62 experiment at CERN SPS is designed to measure the branching ratio of this decay with 10% precision. NA62 took data in pilot runs in 2014 and 2015 reaching the final designed beam intensity. The quality of data acquired in view of the final measurement will be presented.

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Session Classification: Quark and Lepton Flavor Physics

Track Classification: Quark and Lepton Flavor Physics