



New results for searches of exotic particles with NA62 in beam-dump mode.

Tuesday, 30 May, 2023

Auditorium & Webcast 16:00 h

Babette Döbrich (MPI München)

We report on the search for visible decays of exotic mediators from data taken in "beam-dump" mode with the NA62 experiment. The NA62 experiment, conceived to measure the rare decay of a charged Kaon into a pion and two neutrinos, can be run as a "beam-dump experiment" by removing the Kaon production target and moving the upstream collimators into a "closed" position.

More than 1017 protons on target have been collected in this way during a week-long data-taking campaign by the NA62 experiment. We report on new results from analysis of this data, with a particular emphasis on Dark Photon and Axion-like particle Models. We also discuss future prospects of such physics searches with NA62 and its possible successor HIKE.



This is a HYBRID colloquium
Meeting ID: 996 1652 8733
Meeting Password: 733220



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



CLUSTER OF EXCELLENCE
QUANTUM UNIVERSE