



Contribution ID: 47

Type: **not specified**

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

Tuesday, 4 July 2023 12:05 (20 minutes)

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 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 10^{17} 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.

Primary authors: ROMANO, Angela (University of Birmingham); Dr DOBRICH, Babette

Presenter: Dr DOBRICH, Babette

Session Classification: Tuesday Session 2