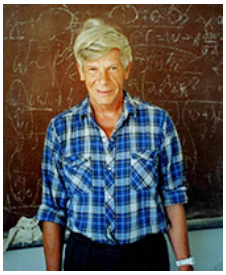

Contribution ID: **85** Type: **Session Talk**

# Probing light Dark Matter with NA64 experiment

*Friday, 14 October 2022 14:30 (25 minutes)*

We discuss a limits on
a hidden sector models, which have been excluded
recently by NA64 fixed-target experiment at CERN SPS.
Namely, new experimental bounds on Dark Photon,
millicharged fermions and axion-like particles are
obtained from the missing energy signatures of
the electron beam incident on a lead target of NA64.
We also discuss prospects of NA64 to exclude light
dark matter with muon beam setup.

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**Session Classification:** Section B

**Track Classification:** Section B: Quantum field theory methods in elementary particle physics