

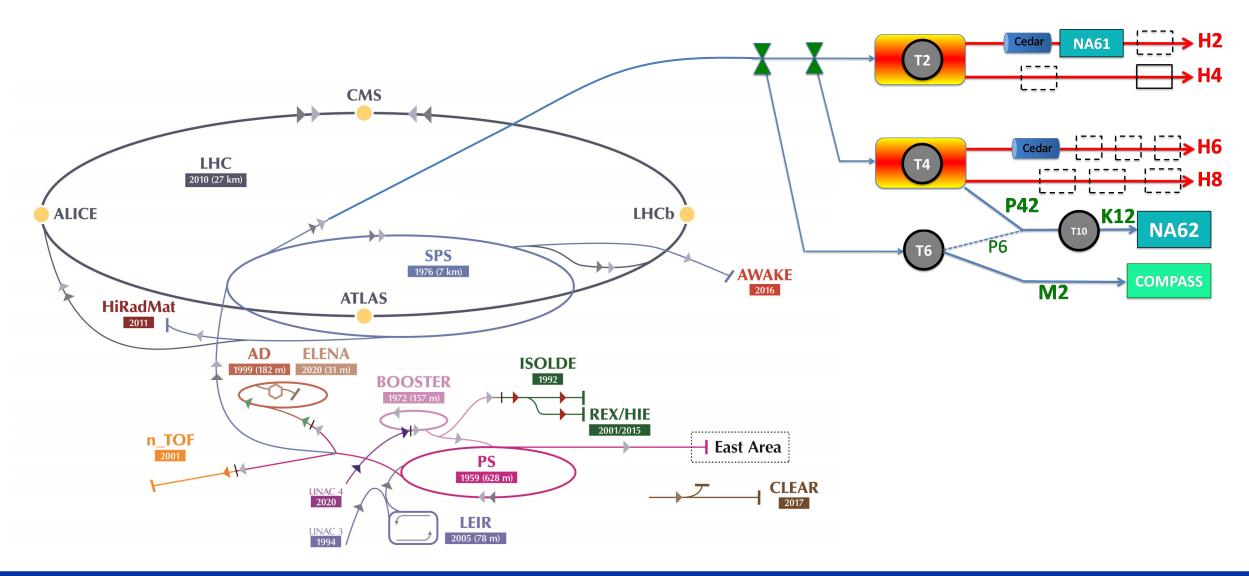
Introducting: Florian Stummer

FIPs in the ALPs

Florian Stummer

15/05/2023

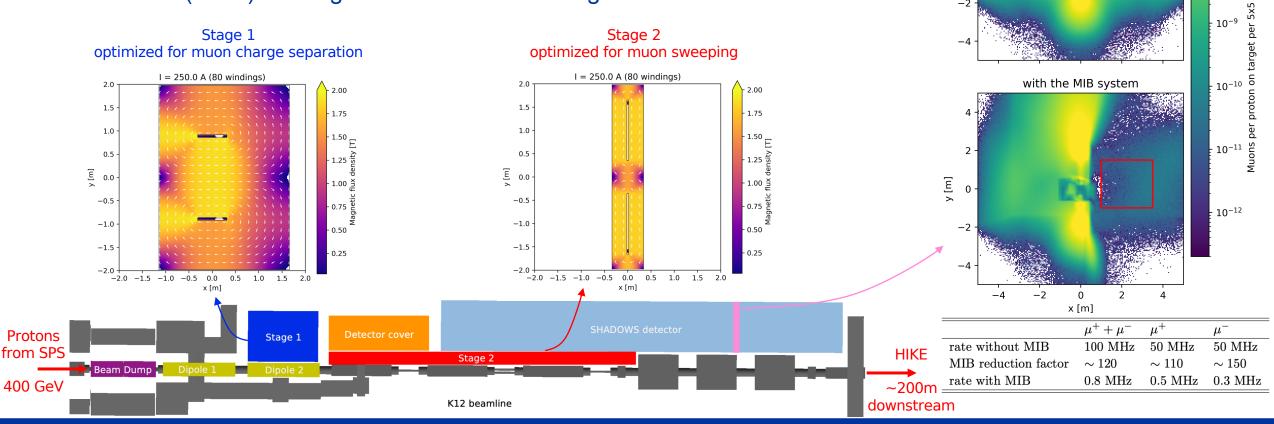
CERN's North Area (SPS beamlines)





Design of the Muon Sweeping System for SHADOWS – Status of the Lol

- Main background at SHADOWS detector location consists of muons
- Dedicated muon sweeping system consisting of magnetized iron blocks (MIBs) is designed to reduce the background



10-7

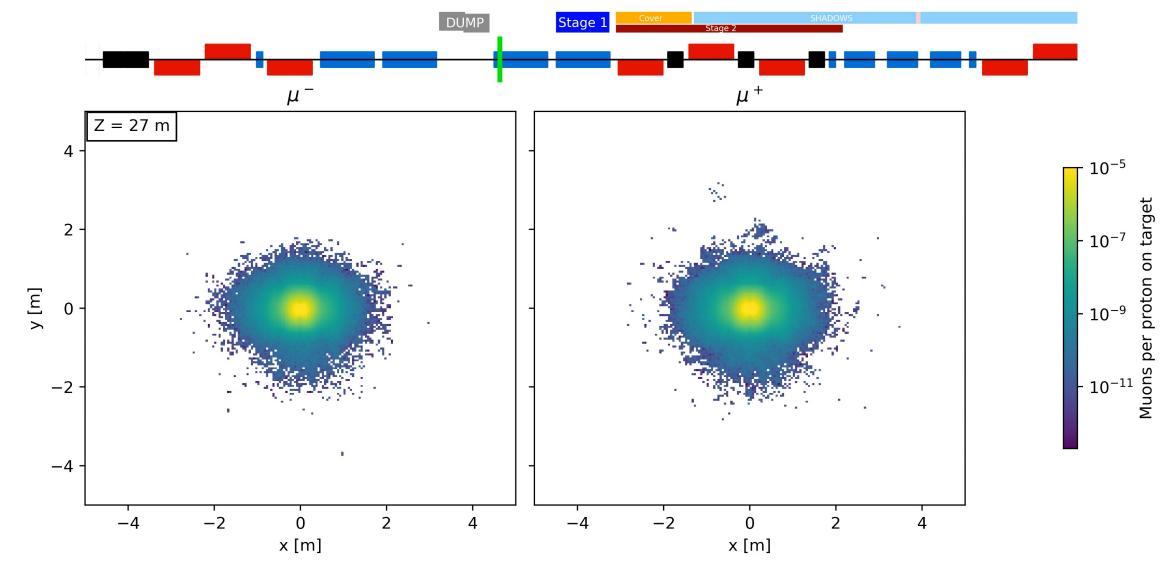
 10^{-8}

сц,

y [m]

0

Impact of the MIB system on the Muon Background





Model of the muon sweeping system for SHADOWS



Questions