

SHiP ECAL - PS/SPS User Meeting, 12 Sep 2024

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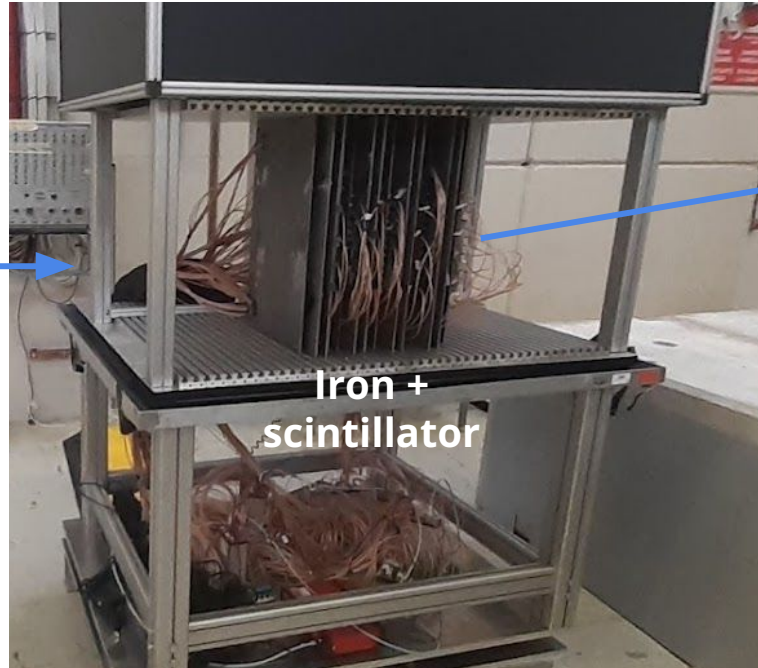
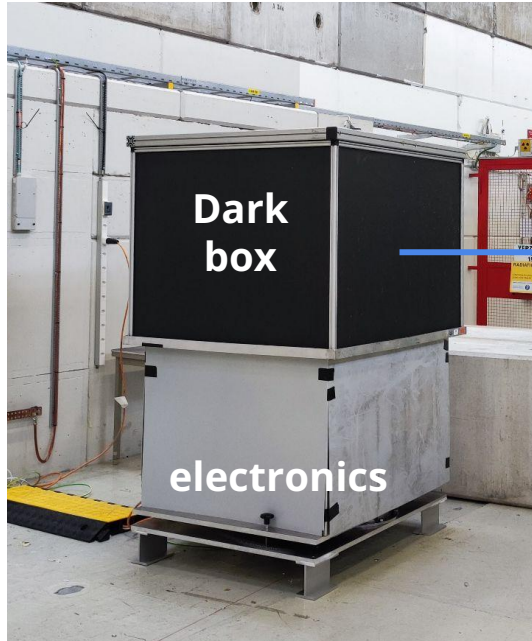
A big thank you to the logistic team for the help with the installation!



Installation

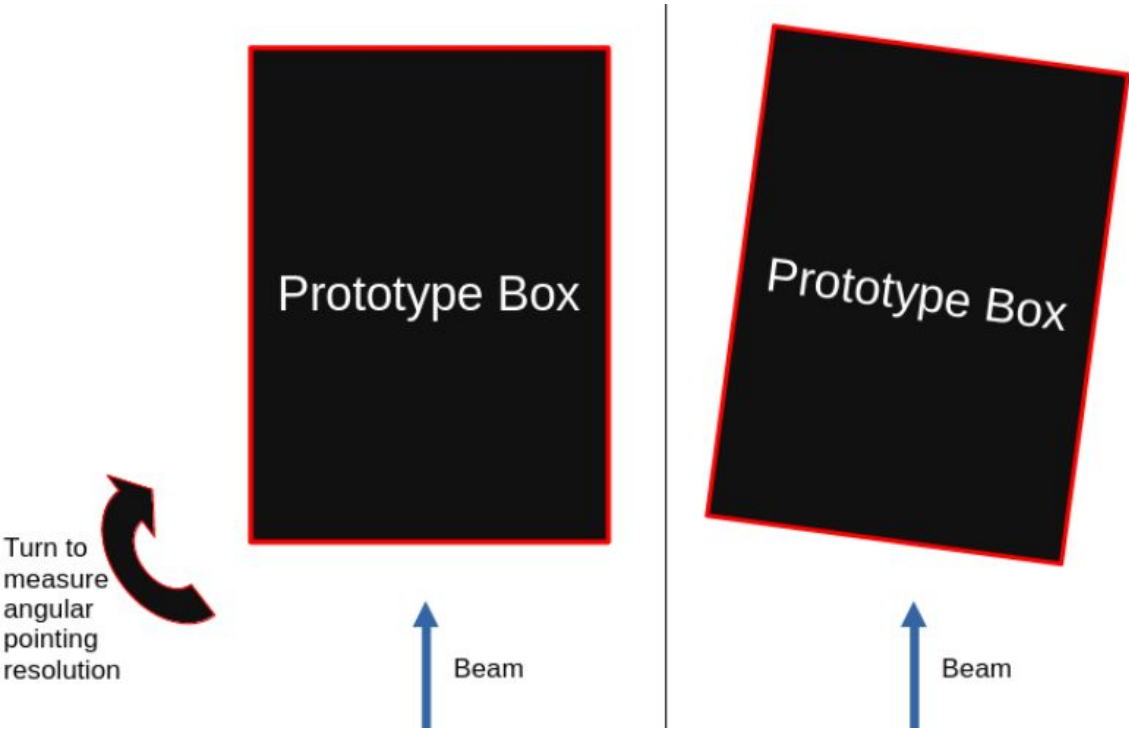
SHiP ECAL: sampling calorimeter (Iron/scintillator) read out by Silicon Photomultipliers

- The detector installation is complete
- We had the first beam yesterday evening



Each layer is segmented in strips: pointing

Plan



Plan

3 beam modes, 1-5 GeV range

- electron mode: test the pointing capabilities
 - reconstruction of shower direction
 - turn the calorimeter to different angles
- muon mode (muon beam + muon halo): calibration
- pion mode: test the particle identification

