

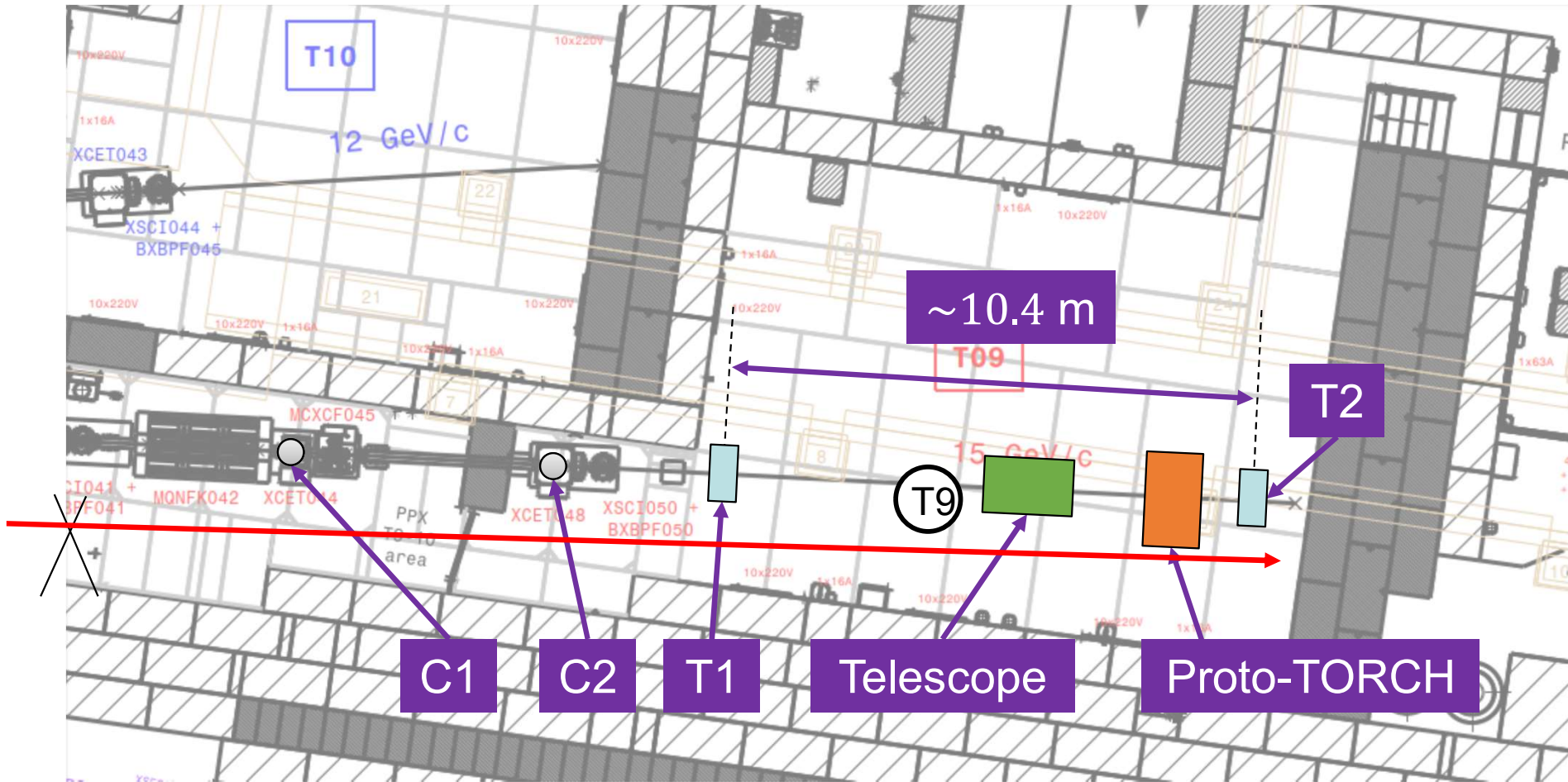


**PS-SPS Users Meeting
CERN/Zoom
1 December 2022**

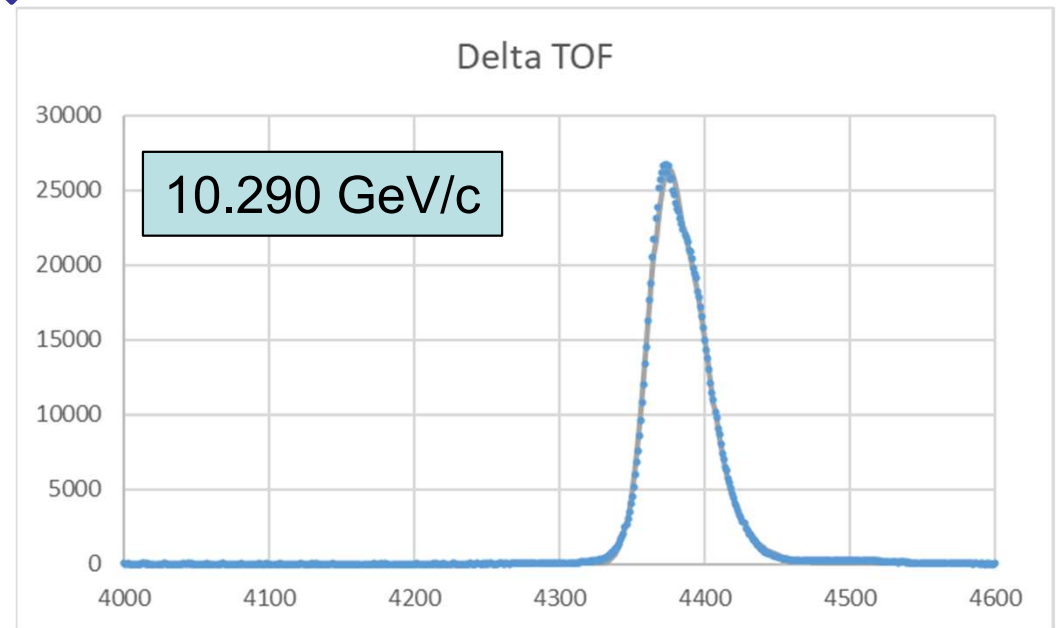
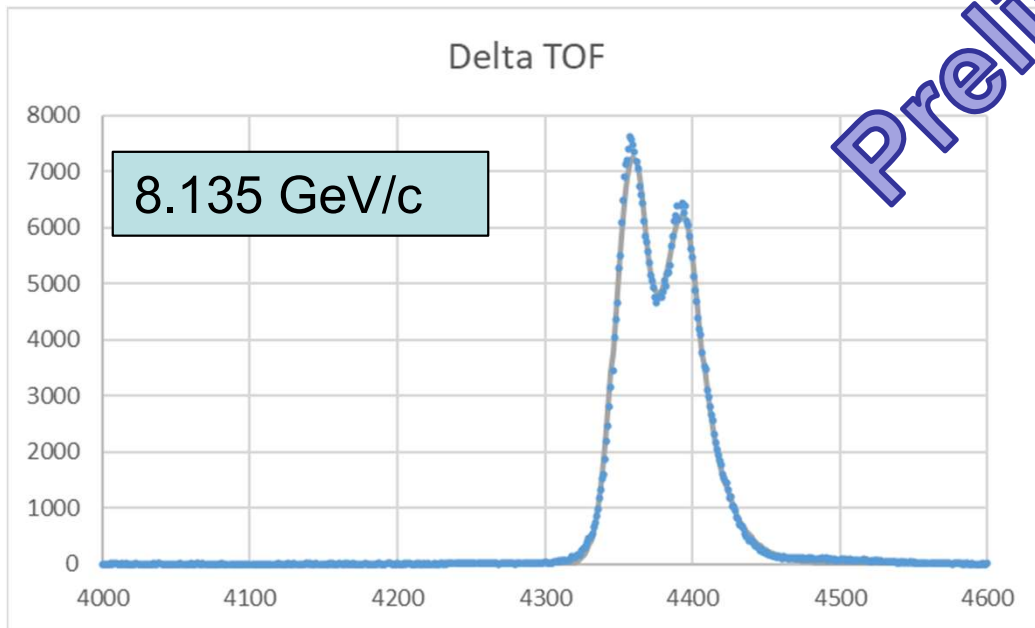
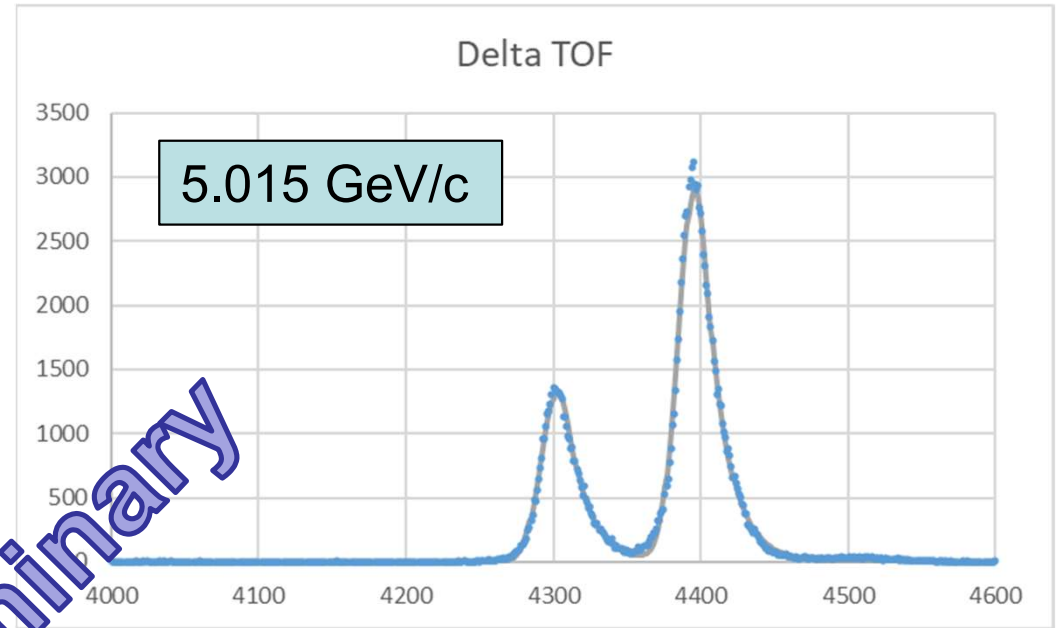
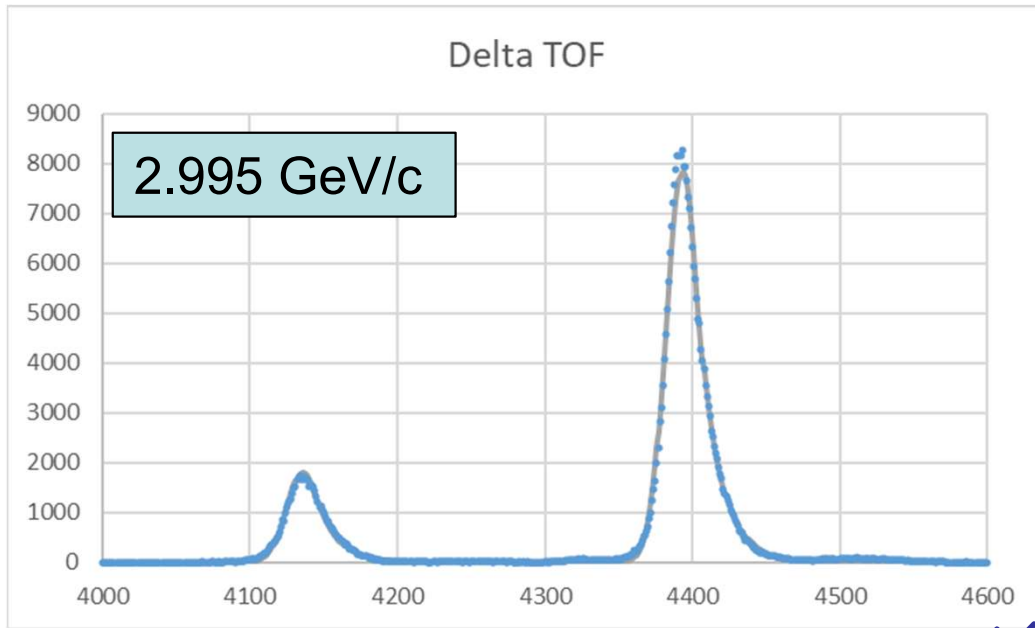
TORCH – T9 beam tests – final status

**Thierry Gys
On behalf of the TORCH beam test team**

TORCH infrastructure with “proto-TORCH” in new T9 in 2022 – layout



Momentum calibration



Preliminary

TORCH beam tests – final status

- TORCH beam infrastructure installation – *completed*
 - T1 T2 stations with services: Mon-Wed 31.10-2.11
 - Telescope: Tue-Wed 1.11-2.11
 - First safety visit: Wed 2.11 15h30
 - Alignment with beam:
 - First beam on: Wed 2.11 – T1 T2 stations aligned with beam
 - Fine tuning: Thu-Mon 3.11-7.11
 - Telescope:
 - Setting up and quick test run: Thu-Sat 3-5.11
- TORCH prototype installation – *completed*
 - TORCH prototype with services:
 - Installation and cabling: Mon-Tue 7.11-8.11
 - Setting up and tests: Tue-Wed 8-9.11
 - Final safety visit: Wed 9.11 15h30
- Fine-tuning – *completed*
 - Beam switched back on: Thu 10.11
 - Optimization, alignment, preliminary data taking, etc.: Thu-Tue 10-15.11

TORCH beam tests – final status (2)

- **Regular data-taking – *completed***
 - Tue-Mon 15-28.11
 - Thu-Mon 24-28.11
 - Kaon fishing
 - Use of high- and low-pressure Cherenkov detectors
 - With initial pressure scans
 - Momentum calibration runs
(see slides attached to the agenda)
- **TORCH deinstallation – *completed***
 - Including:
 - RP checks
 - Delicate proto-TORCH handling and transport

Many
many
thanks to
all
people
involved!