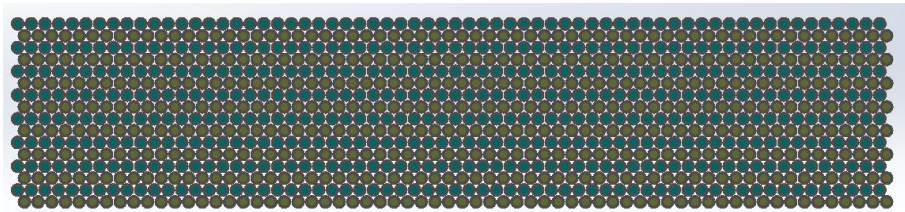


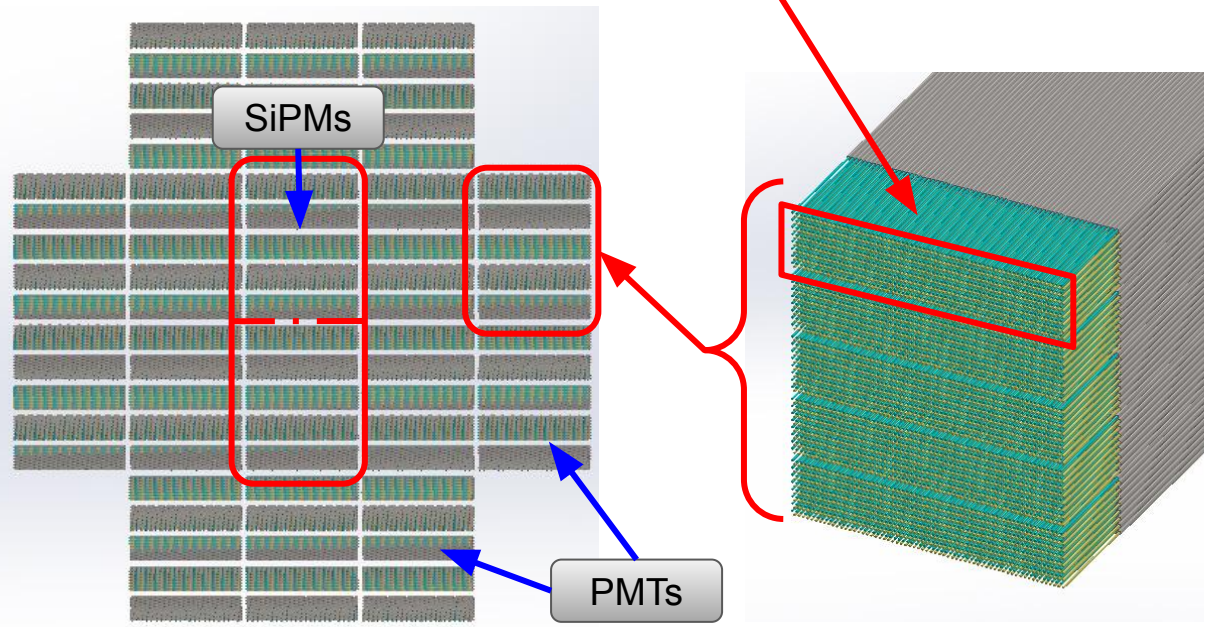
IDEA DRC HiDRa prototype

Each external mini-module read out by two PMTs,
one for S fibres and one for C fibres (512 fibres each)



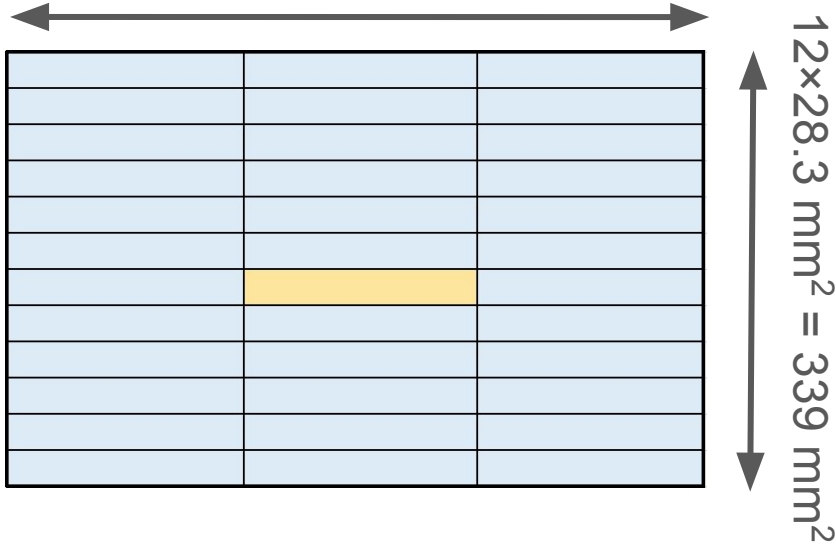
High Resolution, highly granular
Dual-Readout demonstrator
Prototype large enough to (almost) fully
contain hadron showers
→ $65 \times 65 \times 250 \text{ cm}^3$
80 minimodules, each one made of
 16×64 capillaries

Mixed SiPM and PMT readout
→ Cost/performance optimisation
→ Significant increase in DAQ complexity
(10240 SiPMs)



36-MM PMT-only calorimeter

$$3 \times 128 \text{ mm}^2 = 384 \text{ mm}^2$$



Test of PMT-readout modules

SiPM-readout modules will be produced later in 2024 - to be tested in 2025

Program (week 35):

- Calibration and equalisation procedure
- EM resolution
- Uniformity response
- Muon and pion response
- Tuning of G4 simulation



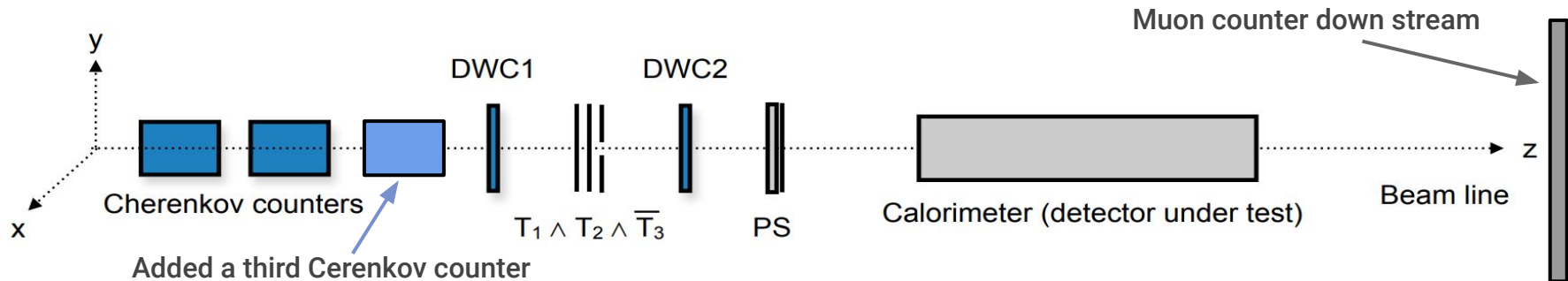
Equipment to be installed in Week 32

In PPE-I68 area

Already available xy and rotating tables, cables

To be installed

- Auxiliary detectors on beam line (2 triggers + veto, **2 DWCs, 3 Cherenkov counters**)
- Muon counter (after beam dump)
- Preshower
- Tail catcher (to be positioned after the calorimeter)
- Leakage counters



Activity in week 32

- Installing and test ancillary detectors
- Preparation of DAQ system, test with all available detectors and beam
- Arrival of calorimeter at CERN Preveessin foreseen on July 6th
- Elx mounting and tested on calorimeter
 - Possibly, find location off-beam for working on detector

