

# Beam tests at CERN - Preparation and Logistics

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## Yong Liu (IHEP), Mar. 29, 2023

Summary for the CALICE ScW-ECAL and AHCAL prototypes

- We had presentations at PS/SPS Users Meeting and discussions with EA/NA coordinators.
- CERN internal transportation will be requested on EDH for the prototypes and motorised table from B.190 (detector storage) to B.887 (NA SPS-H2). The plan to proceed this transportation around one week before the scheduled SPS beam time (Apr. 24). Michael Lazzaroni was already notified about our needs and plan.
- Further dedicated technical meeting with Michael Lazzaroni will be arranged about the beam test setup.
- Major feedback from the NA coordinator Nikos:
  - Beam time arrangements of muons, hadrons and electrons at SPS-H2 (CALICE) will need to be coordinated together with RD51 teams at SPS-H4.
  - Beam instrumentation (two Cherenkov counters, namely XCET and delay-wire chambers) will have to be discussed. Experiences in 2022 on XCET from the SDHCAL team would be very helpful. We will discuss with Imad.
- A report with updates of FEM calculations (static+dynamic) for the motorised table were sent weeks ago to the CERN HSE (esp. James Devine). Further preparations and checks for the safety clearance are pending from the HSE team. Further discussions via email are expected.