

Uni Bern / LHEP /AEC and FCC

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Status on FCC and general comments

- Current situation:
 - no concrete work on FCC (no students, PostDocs)
 - Signed 2014 MoU for the CERN FCC study
 - Heavy involvement in HL-LHC and DUNE, which are on a similar timescale (end of the decade)
- Strong interest and support for FCC
- FCC obvious continuation for hardware activities (pixel, trigger and DAQ) and reconstruction (tracking, showers)
- Slow ramp up over the next several years

Activities and interests



Readout electronics, data transmission
Pixel detector development

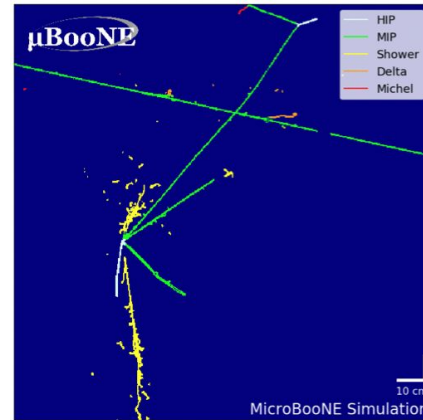
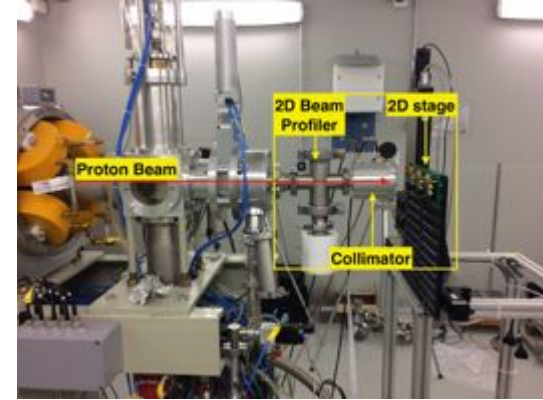


Cleanroom and bonding facility
pixel detectors, (emulsion) fine granularity tracking

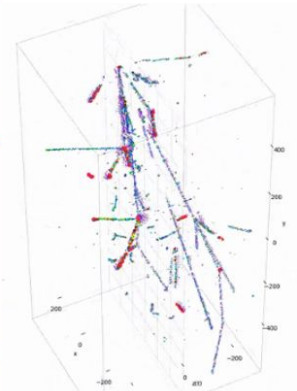


Computing, AI, trigger, DAQ

Beam transport, irradiations,
18 MeV cyclotron laboratory



Tracking, AI





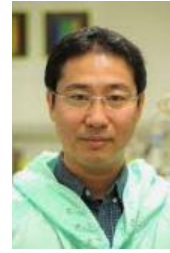
Weber

ATLAS, DUNE, pixel detectors, readout, LArTPC, AI, computing



Piegsa

nEDM, precision measurements



Ariga

DsTau, FASER, precision tracking, detector development



Beck

ATLAS, trigger, DAQ, AI, science policy



Kreslo

DUNE, LArTPC, detector developments



Braccini

ATLAS, medical applications, cyclotron, beam instrumentation



Pistillo

Analysis, computing, precision tracking

+ Theory