

Test beam of the TIC prototype in H2

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H2 data taking

- Period: 12-17 September 2018
- Original test at SPS in June 2018 cancelled due to NA transformer failure
- Thanks to SPS coordinator for this additional data taking opportunity

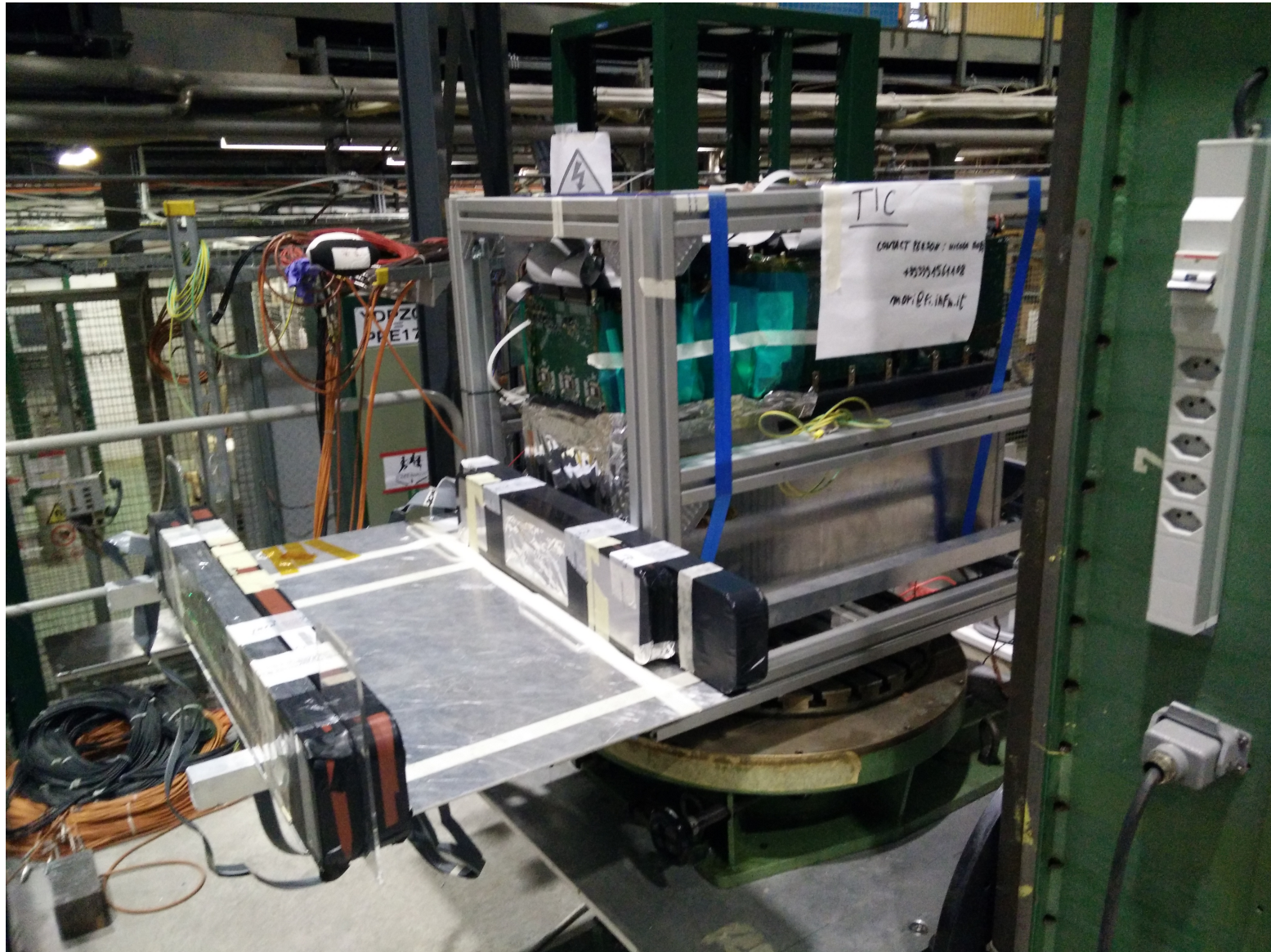
H2 beam requirements

- Muons (calibration and alignment)
 - 200 GeV, ~ 200 Hz
- Electrons
 - 10, 30, 50 100 GeV, ~ 70 Hz
- Purity $\geq 90\%$ is desirable
 - Due to low DAQ rate
 - Offline e- selection
- Beam files prepared by B. Rae

Status

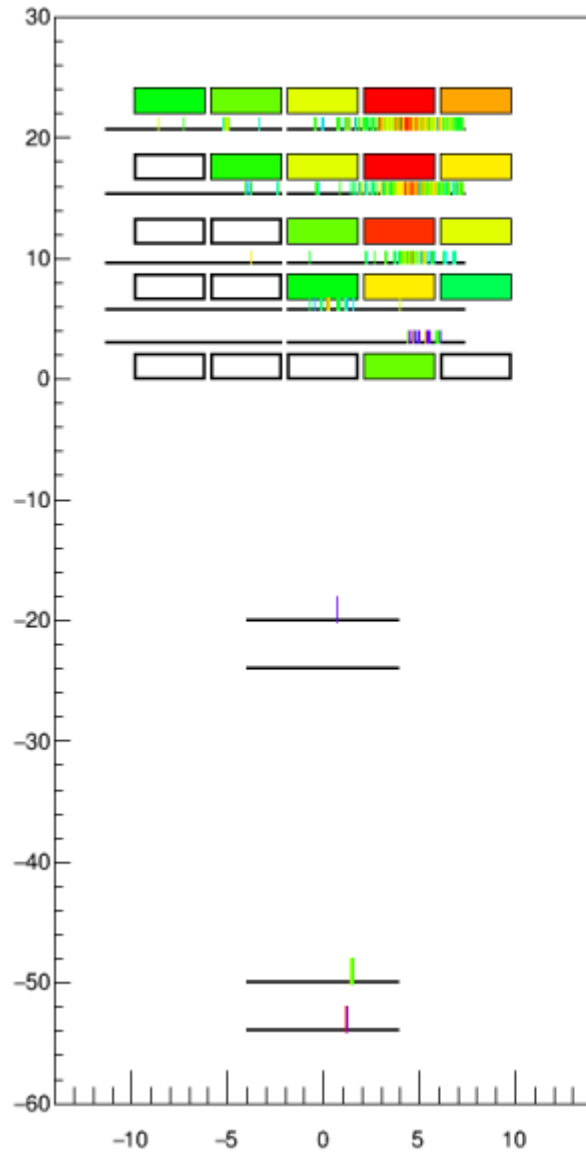
- Mounting finished on Wednesday evening
 - Delay due to previous experiment
- Commissioning finished
- Electron data taking overnight
 - ~ 150k events acquired
- Muon calibration is ongoing

TIC on H2

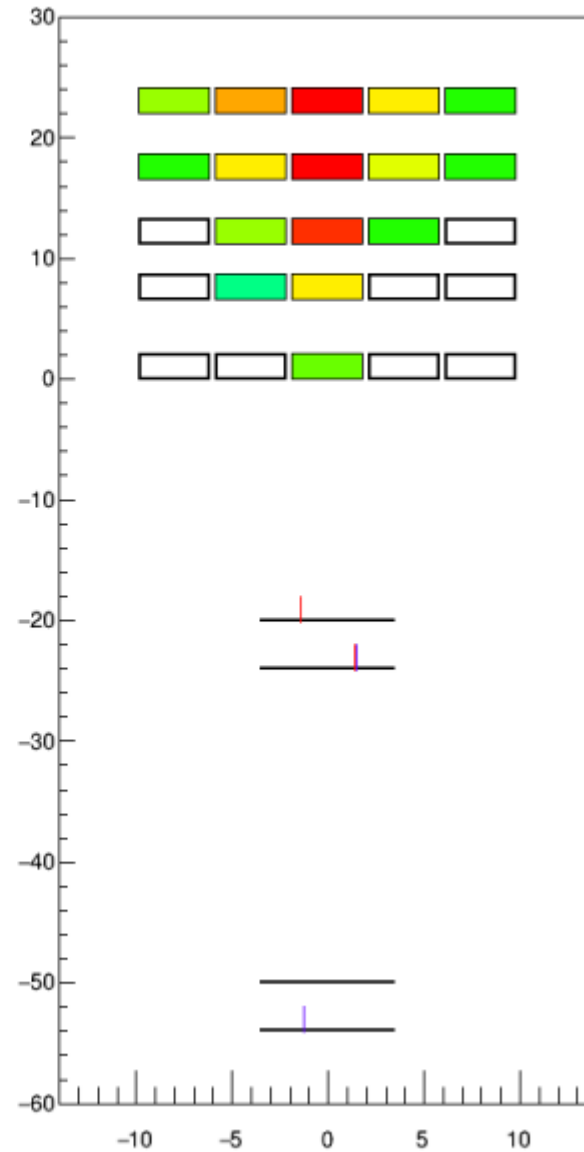


100 GeV electron

2D viewer, X view



2D viewer, Y view



Planning

- Spill frequency
 - This morning 1 spill per supercycle, due to LHC MD?
 - What about next days?