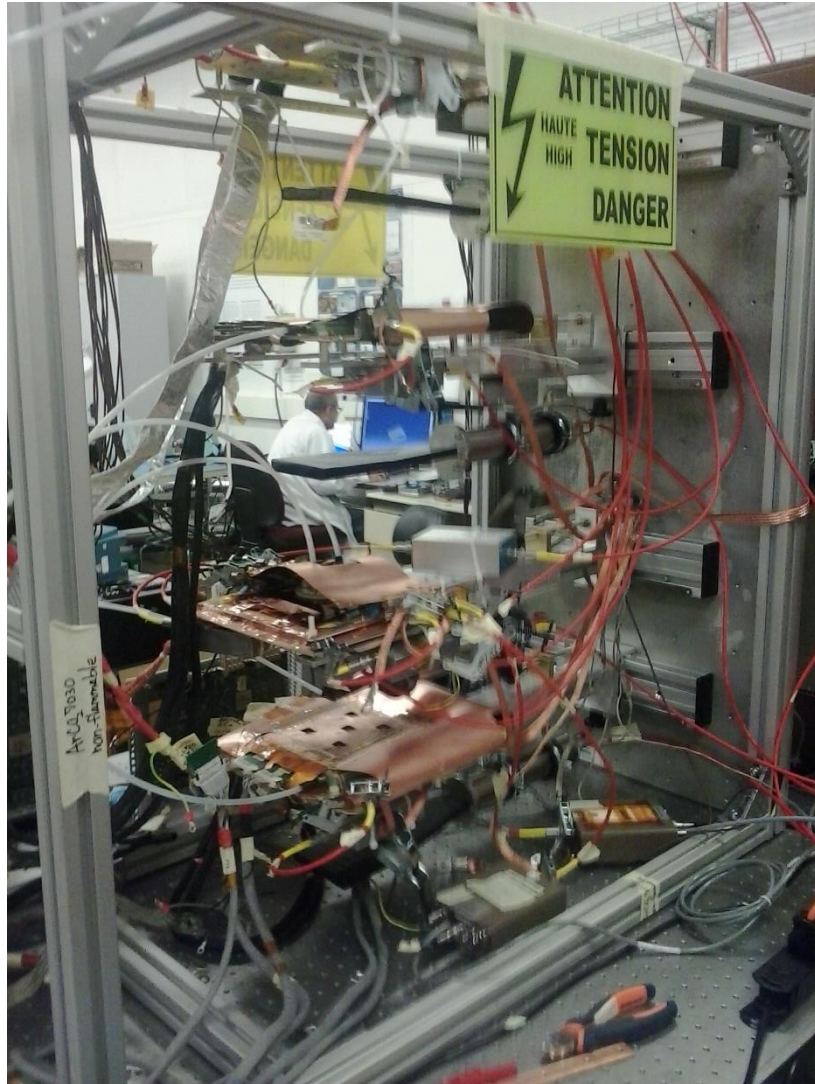


CMS GEM – Test beam plan

Ilaria Vai, Sinem Salva

H4 Test Beam

Time period: **25 May – 8 June 2016**



Stand instrumented with:

- 1 FTM prototype
- 1 Back to Back prototype
- 2 GEMs 10x10 for tracking
- 4 scintillators for triggering

Stand dimensions:

- Length: 1 m
- Width: 58 cm
- Height: stand to be place on a trolley to match beam height

+

- 2/3 racks
- Fibers and ethernet to be routed from experimental zone to control room
- 2 tables in control room for instrumentation

+

- 2 gas mixtures: Ar/CO₂ 70/30 and Ar/CO₂/CF₄ (2/3 gas lines)

NO magnet use

Purpose of the test:

- Characterization of the two prototypes, measuring efficiency, time resolution, space resolution, charge

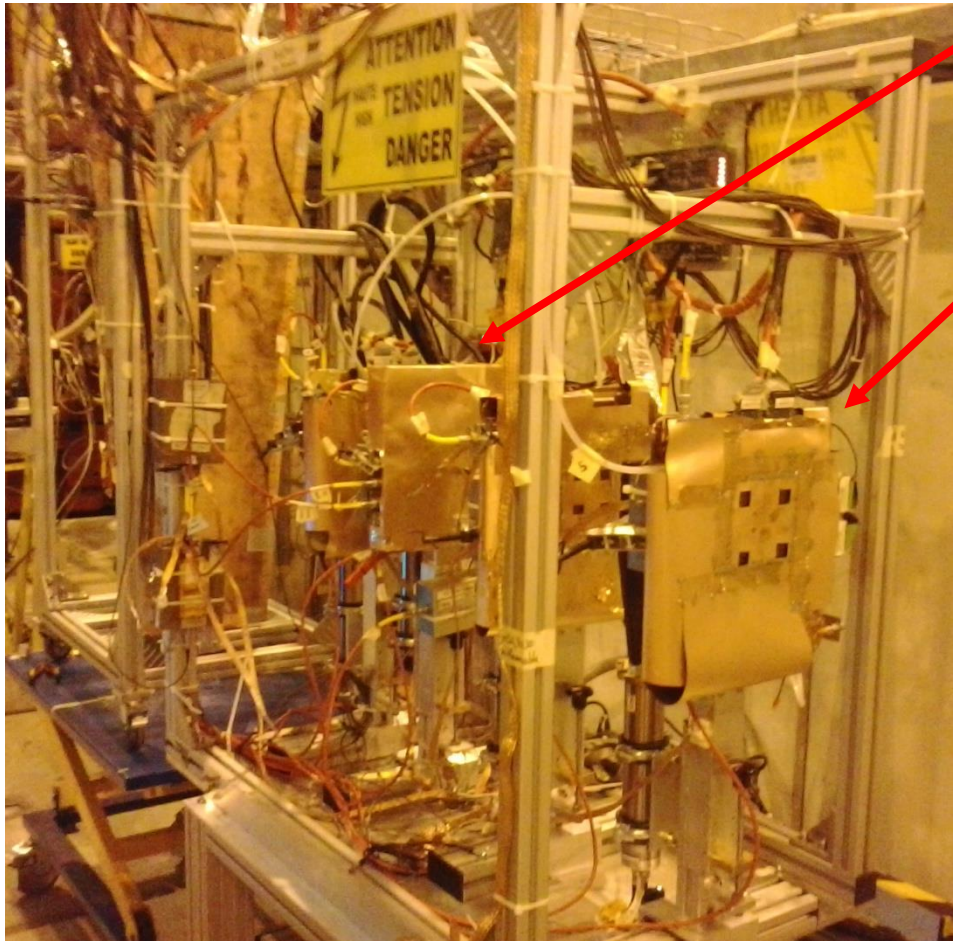
Contact people:

- Ilaria Vai
- Sinem Salva

Position: same positioning in H4 of 2015

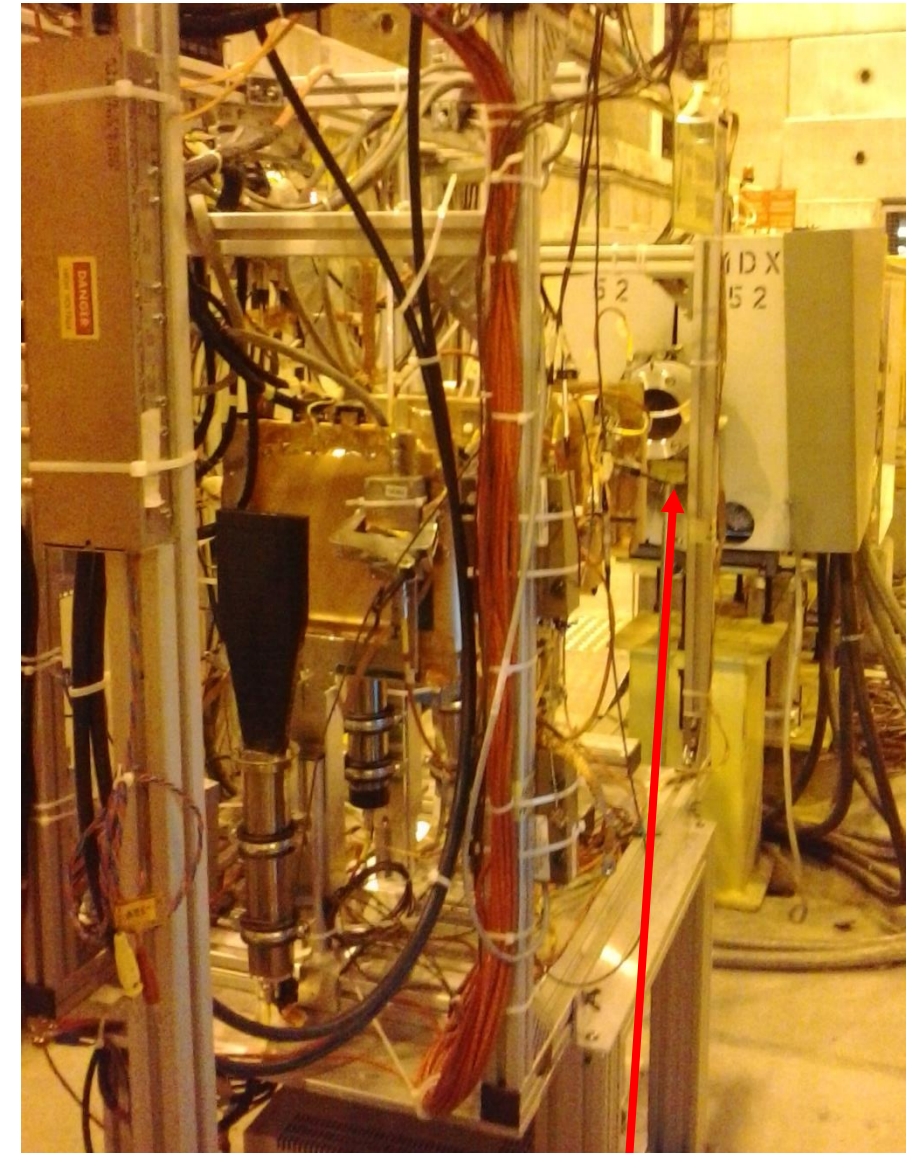
Both our prototypes have **very small active area!**

We need to be in front of the end of beam line to obtain good results!



FTM

GEMs for alignment



Beam line