

Scintillator counter and GEM

G.Cavoto, R.Santacesaria, P.Valente

INFN Roma

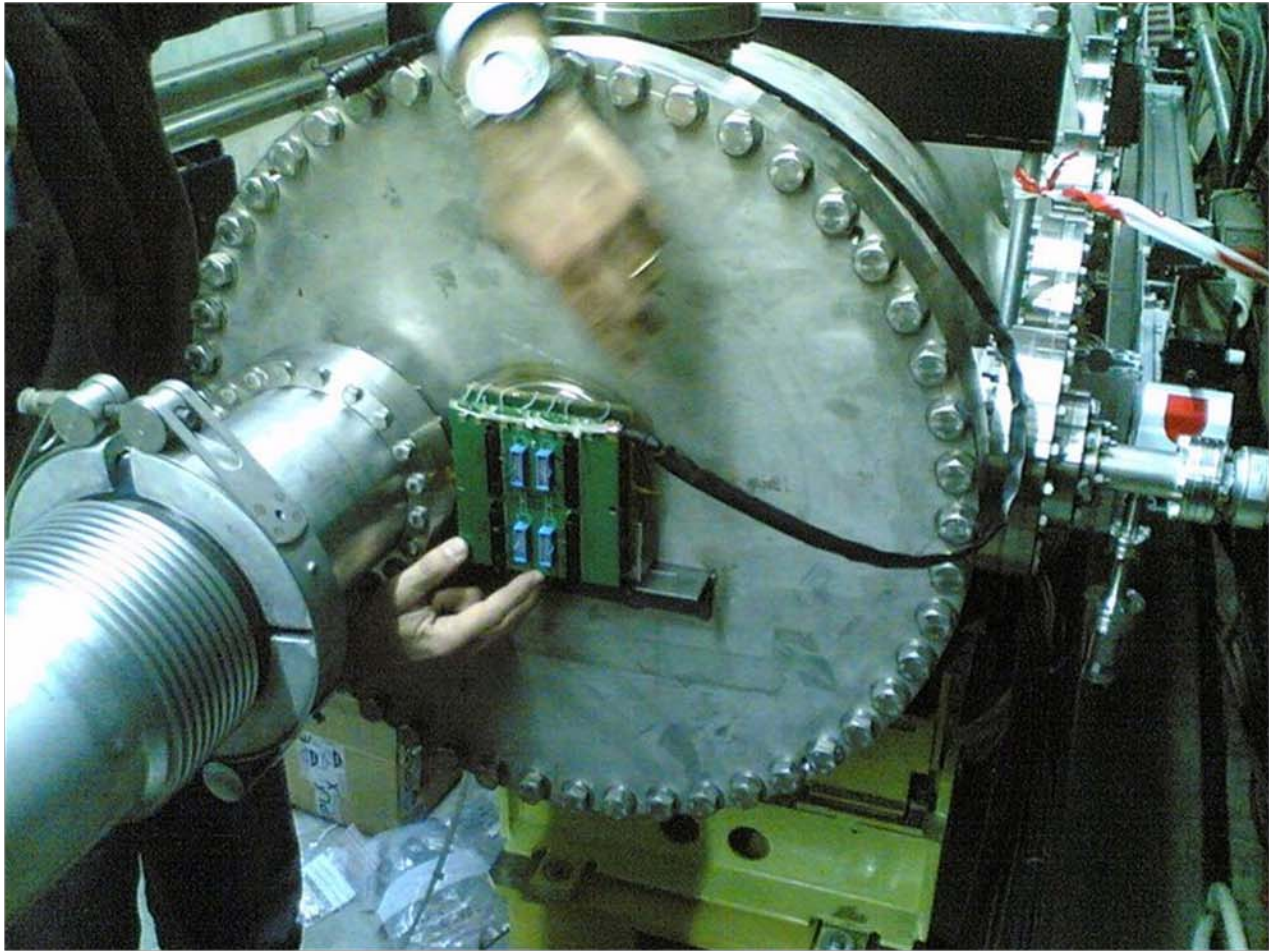
F.Murtas

INFN LNF

May 14th 2009- UA9 meeting

What is installed

- One pair of scintillators downstream the tank
- Two pairs of scintillators after QF
- One GEM downstream, one GEM upstream the tank
 - GEM rack (HV, LV, threshold settings, DAQ) in the pit.
- Scintillators are ON.
 - Signals discriminated, put in coinc. And sent to scaler, VME readout (Labview).
 - DAQ accessible (control room)
 - The same DAQ can easily read counts of Cerenkov detectors
 - A.Masi is installing DIM lib to make the data public.



What to do

- Cables too long, problems with delivering correct LV level to GEM readout prevented to have correct readings
- On May 25th install a power supply close to the GEMs to avoid this.
- Y. Chesnokov provided another pair of scint. To be installed upstream the tank (on May 25th)

Data available

- All the data will be made available through interface A.Masi is preparing
 - Data will be synchronous with all the other measurement from machine beam monitor and easy to use for everybody.
- Scintillator single (8) and double counts (4)
- 128 counts per GEM (8x16 pads on each GEM)
 - Plus additional information (gate duration, clock counts...)
- We will optimize thresholds and gate duration after May25th intervention.