

GEM assembly training session at
CERN (Feb 16th to 20th)

Participating institutes

- Argonne Lab (USA)
- Bonn Univ (Germany)
- CERN (Geneva, CH)
- DESY (Germany)
- Florida Tech (USA)
- Gian Coimbra (Portugal)
- Helsinki (Finland)
- INFN Bari (Italy)
- INFN Frascati (Italy)
- INFN ISS (Italy)
- INFN Pisa (Italy)
- LIP Coimbra (Portugal)
- MIT (USA)
- NTU Athens (Greece)
- TU Munchen, (Germany)
- UA (Portugal)
- UTA (USA)

Program

- **Monday 16th** : Lecture day various talks on GEM detectors assembly with among other
 - Large area GEMs manufacturing and assembly (Serge)
 - The LHCb experience with assembling large area GEMs (Gianni)
 - TOTEM GEM quality control procedures (Kari Kurvinen)
 - GEM-based TPC's, field cages, HV considerations (Emilio)
 - Tech-Etch's GEMs for STAR experiment large forward tracker (bernd Surrow)
 - Development of Digital Hadron Calorimeter for ILC Using GEM (SeongTae)
 - Readout board design (Rui)

Program

- **Tuesday 17th** : Lecture day on MicroMegas detectors assembly (Paul Colas)
- **Tuesday 17th and Wednesday 18th** : Frascati session
 - 3 half days hands-on with group session of about 10 trainees on framing LHCb GEM in GDD lab
 - 4th half day assembly a triple LHCb GEM detector
- **Thursday 19th and Friday 20th** : GDD clean room session
 - group session (**with 5 person maximum, 1 per institute**) assembly of a 10cm x 10 cm GEM detector in the clean room with the X-Y readout