

Practical day at CERN for JUAS 2012 students

Friday 24th February

Vacuum training

Paolo Chiggiato

CERN, Accelerator Technology Department, Geneva

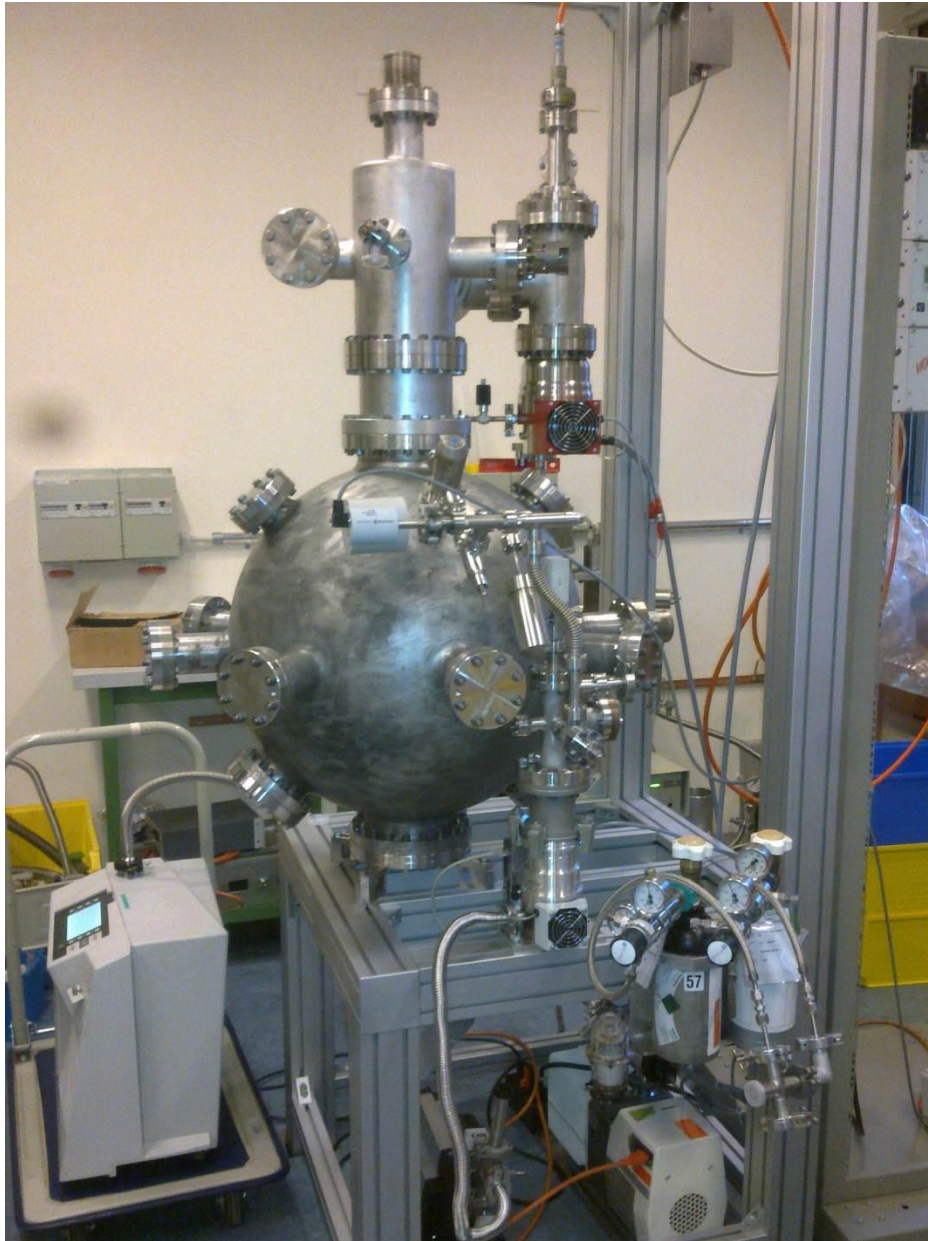
5 Vacuum laboratories with experiments during the day

Building 30: A dedicated system

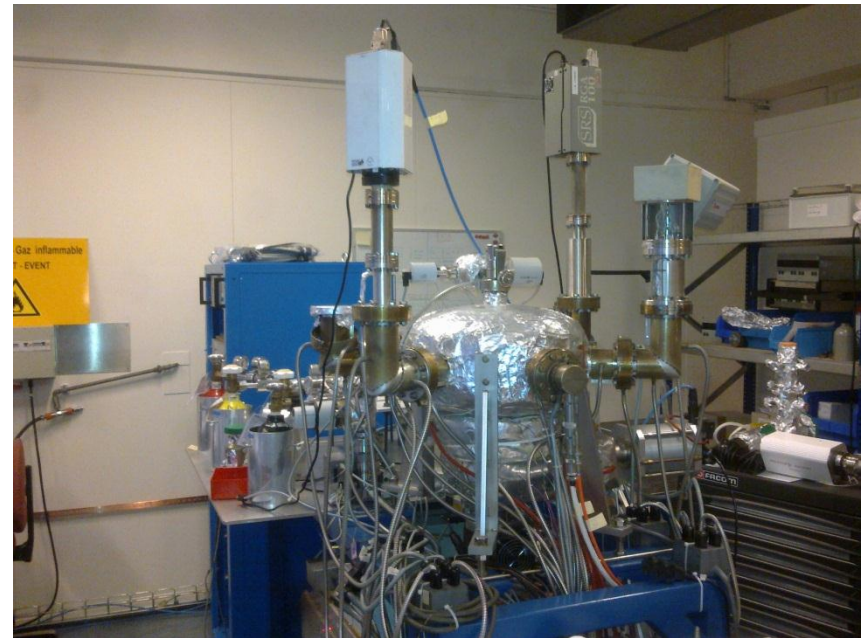


1. Pumpdown curves.
2. Residual gas analysis
3. Pumping technologies
4. Gas injection

Building 30: Vacuum instrumentation laboratory



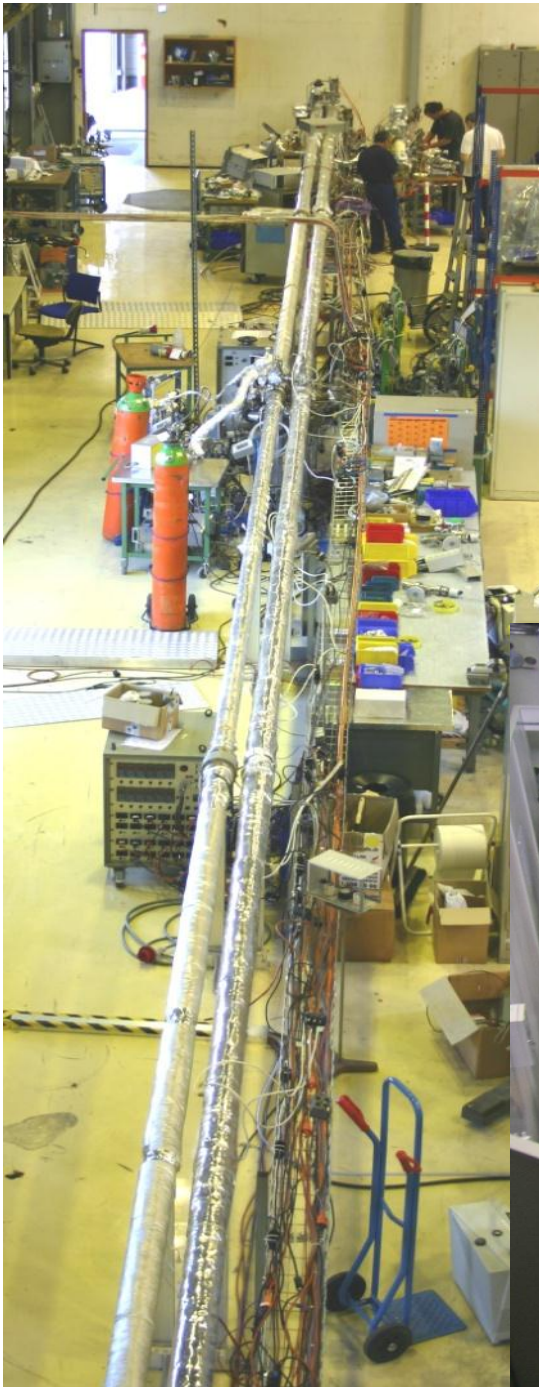
1. Bayard Alpert gauges
2. Quadrupole gas analysers of different design.
3. Leak detection



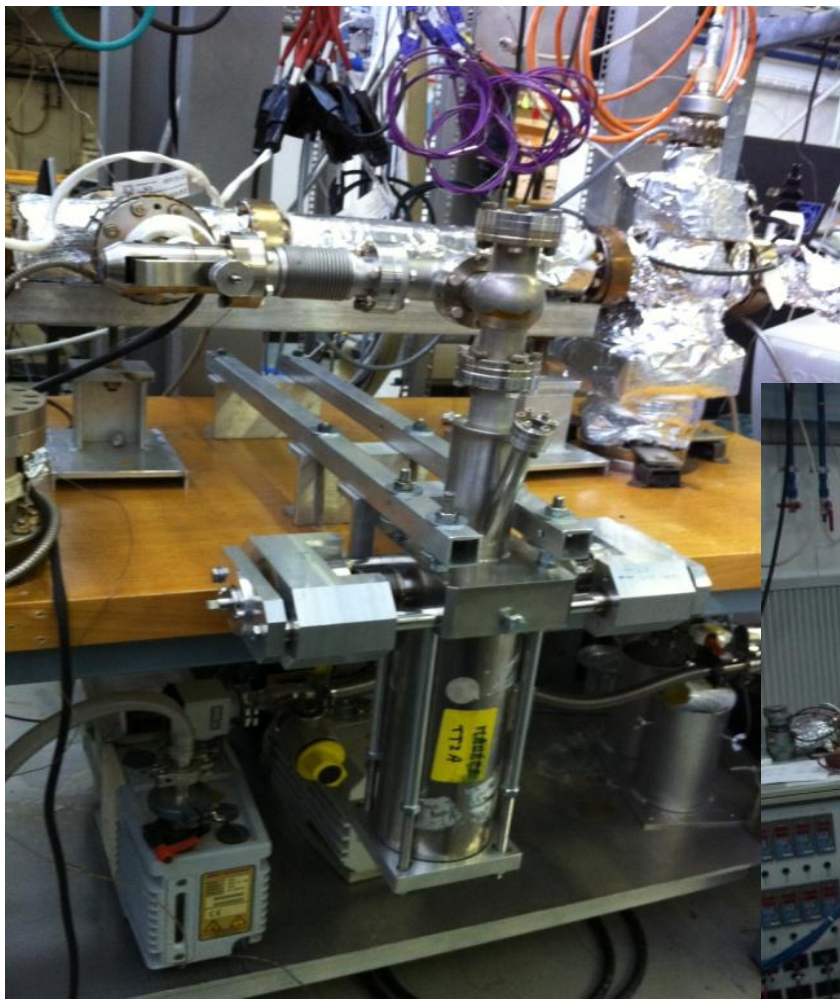
Building 113 and Building 181

Non-Evaporable Getter thin film coatings

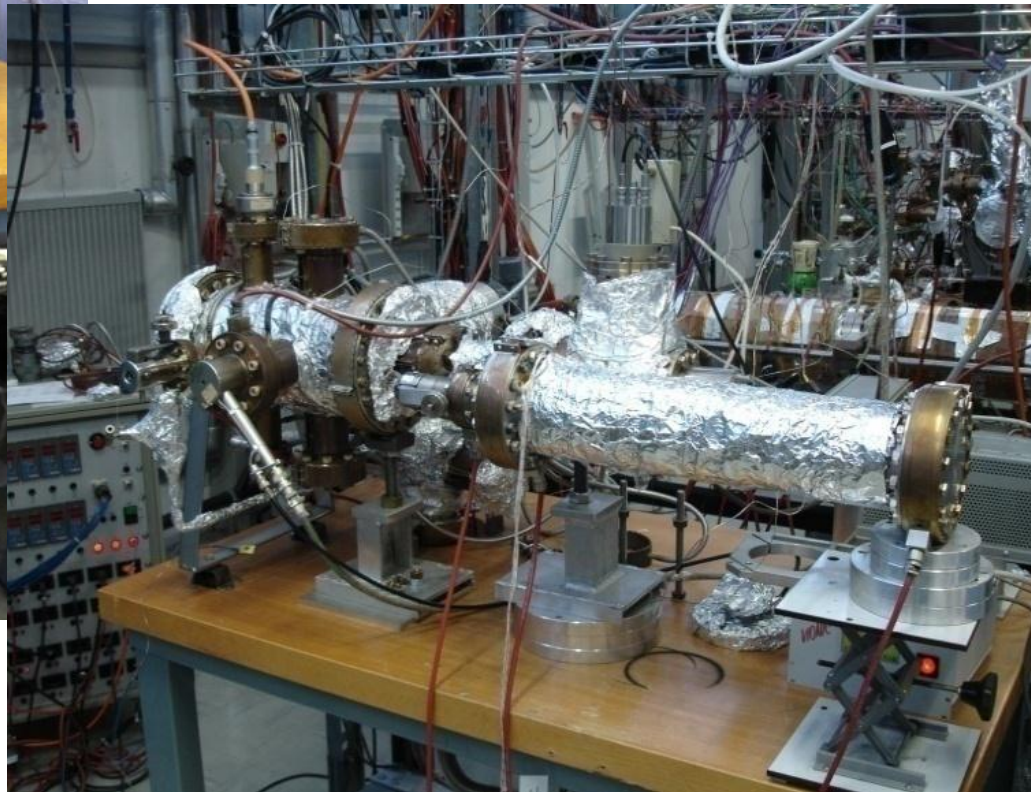
1. Production of NEG films
2. Characterisation by gas transmission



Building 101: Vacuum material laboratory



1. Outgassing measurement
2. Electron Stimulated Desorption



We are looking forward to



working with you at CERN !