CMS HGCAL+CALICE AHCAL @ H2

Rong-Shyang Lu
National Taiwan University
CMS HGCAL group

• ECAL : 28 x 300um silicon 6-inch modules in 14 double-sided “cassettes”, operated @ 250V ($V_{fd} \sim 220V$) ($25 X_0$)
• HCAL : 9 layer of 7 modules + 3 layers of single ($\sim 4\lambda$)
• CALICE AHCAL : July setup with 38 active layers of 72*72 cm2 in steel absorber with 1.7 cm layer thickness ($\sim 4 \lambda$)
• Complete DCS monitoring system and control from control room (temperatures, humidities, leakage currents)
• Beam time : Oct 10 ~ Oct 24
Installation

• Installation and safety inspection done around 6pm.
• Thanks for Bastien on preparing beam files and Nikos et al, for installing beampipe
Commissioning

- See beams, plot shows DQM plot of first electron run
- Still need investigation on AHCAL noise problem and checking synchronisation between HGCAL and AHCAL.