

WG 6 summary

1: TT issues, H.Hillemanns

- Similar to presentation in plenary
- More details on contributions / tasks of different players
- Boundary conditions for TT
- Discussion on liability and product conformity
 - Issue for the manufacturer

2: CERN workshop, R. de Oliveira

- Detailed walk through of single mask GEM production
 - New equipment
 - Improvements in output rate
 - Improvements in quality control
 - Timescale
- New workshop
 - Ready by end 2013
- Single mask GEMs in stores ?

3: GEM production in India, A.Sharma

- Visit of Keerthi Industries Electronics Division
 - In Hyderabad
 - Produces PCBs, flexible and rigid
 - Firm works with HEP community in India
 - Made components for ALICE
 - Are interested to learn GEM technology
 - Will come to CERN in November
- Other firms show interest in components of GEM detectors

4: CIREA micromega production, J-L.Carette

- Firm presented capabilities already several times
- Working on micromega manufacturing
- Made micromega of $1220 * 610 \text{ mm}^2$
- No electrical tests yet
- Can go to $2800 * 630 \text{ mm}^2$, 200 boards/month at 600 CHF / m^2 , readout board not counted
- Collaboration with Saclay

5: Saclay MPGD lab, S.Aune

- Production of small size micromegas
- Studied manufacturing parameter space
- Aim at fast turn around (48 h)
- Will try multimesh micromegas
- Will make double sided micromegas
- Collaboration with CIREA