

Status of Production SBS Back Tracker GEM as of January 23rd, 2013

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Production of SBS GEM @ CERN

- 6 × GEM foils: still in production, will be ready in a week (shipment end January)
- 2 × Drift cathode: done (ready for shipment end January)
- 2 × 2D readout: still in production, will be ready in a week (shipment end January)
- 2 × Honeycomb support: 1 ready, 1 still in production (?) (shipment end January)
- 50 × Panasonic connectors to be mounted directly on the readout board @ CERN →
Easy, faster, safer → No problem expected during assembly of the chamber
- 10 × voltage dividers: (ready for shipment end January)

Spacer frames produced by RESARM (Belgium) delivered, January 14, 2013

→ Next steps: clean, polish and apply varnish

Updates on the Detector lab @ UVa

- Our new clean room installed January → doubling of the existing available area
- New mechanical stretcher is almost finished (phys. dept mechanical workshop)
- Small modification of the current Nitrogen box for GEM foil HV test (Vladimir)
- Other assembly tools are in production and should be ready in time for the start of the assembly in February

Other MPGD detector activity @ UVa

- Design for the SoLID/EIC large GEM prototype has been done by Seth Saher and is being finalized at CERN in Rui's lab to start the production
- We acquired a 10 cm × 10 cm Micromegas chamber for R&D and test in our lab