

Phase-I detectors – GDL test bench 07-08/2008

Detector	Total mass	HV	LC	FWHM	Comments
	(g)	(V)	(pA)	(keV)	
ANG 1	958	3500	235	2.6	Steel->CuNi screw, polished
ANG 2	2833	4000	65	2.5	Ready
ANG 3	2391	3000	200	5.1	Reprocessing @ Olen
ANG 4	2372	3000	40	4.4	HV contact to be polished
ANG 5	2746	1800	60	4.0	HV contact to be polished
RG 1	2110	4500	65	4.4	HV contact to be polished
RG 2	2166	4000	60	4.1	HV contact to be polished
RG 3	2087	3500	800	3.5	steel->CuNi screw, polished
GTF 32	2321	3200	50	2.5	steel->CuNi screw, polished
GTF 42	2467	3000	55	3.2	To be remounted
GTF 44	2465	3500	55	3.0	Steel->CuNi screw, polished
GTF 45	2332	1500	50	-	} Not mounted
GTF 110	3046	3000	30	-	
GTF 112	2965	2500	70	-	
Prototype	1560	3000	10	2.6	to be re-mounted

Proposed sequence of mockup/detector deployment:

1. Deploy mockup and capacitor (test mechanics & electronics)
2. Deploy prototype 1 & capacitor (test spectroscopy & electronics)
3. Deploy non-enriched 3-detector single string: GTF 32, GTF 44, GTF 112 (test background) or 2xGTF & 1xANG/RG
4. Deploy enriched 3-detector single string: ANG 2, ANG 4/5, RG 1/2 (tbd) (start phase I data taking)

Issues / to be done:

- Exchange HV Cu contact screws with Cu/Ni screws (measurement ongoing on GEMPI)
- Remount Prototype (holder ready)
- Mount and test GTF 112 in GDL
- Electropolish long Cu cables
- Processing of ANG 3

(Core-) team for detector preparation, handling & commissioning:

Marik & Konstantin