

Summary of GlueX Detector Crates & Racks

2 March 2005 P. Smith

Detector	Type	Channels	Modules	Crates	Racks
Photon Tagger	6U, 16 channel, 8 bit, 250 Msps FADC	250	16	1 DAQ	2
	6U, 32 channel, 62 ps TDC	250	8	1 DAQ	
	High voltage	150	13	1 HV	
	8 channel CFD	250	32	2 DISC	
Pair Polarimeter	6U, 64 channel, 10 bit, 62.5 Msps FADC	2048	32	2 DAQ	1
Upstream Photon Veto	6U, 16 channel, 8 bit, 250 Msps FADC	24	2	1 DAQ	1
	High voltage	24	2		
Start Counter	6U, 16 channel, 8 bit, 250 Msps FADC	40	3	1 DISC	1
	6U, 32 channel, 62 ps TDC	40	2		
	High voltage	40	4		
	8 channel CFD	40	5		
Central Drift	6U, 16 channel, 125 Msps FADC	3240	203	13 DAQ	5
	High voltage	60	2		
	Gas				
Forward Drift anodes	6U, 64 channel, 125 ps TDC	2900	46	3 DAQ	1
	High voltage	300	7	1 HV	
Forward Drift cathodes	6U, 64 channel, 10 bit, 62.5 Msps FADC	11,400	179	12 DAQ	4
	Gas				2
DIRC	8 channel CFD	2000	250	16 DISC	4
	6U, 16 channel, 8 bit, 250 Msps FADC	32	2	2 DAQ	1
	6U, 64 channel, 125 ps TDC	2000	32		
	High voltage	32	3	1 HV	
	Gas				2
Time of Flight	8 channel CFD	168	21	2 DISC	2
	6U, 32 channel, 62 ps TDC	168	6	1 DAQ	
	6U, 16 channel, 8 bit, 250 Msps FADC	168	11		
	High voltage	168	14	1 HV	
Barrel Calorimeter	6U, 8 channel, 8 bit, 250 Msps FADC with energy sum	960	120	8 DAQ	6
	6U, 32 channel, 62 ps TDC	960	30	2 DAQ	
	8 channel CFD	960	120	8 DISC	
Forward Calorimeter	6U, 8 channel, 8 bit, 250 Msps FADC with energy sum	2500	313	20 DAQ	7
	Cockcroft Walton control, misc			1 DISC	1
Level 1 Trigger				3 DAQ	1
Totals				103	42