

Detector →	Photon Tagger (TAG)	Pair Spectrometer (PS)	Upstream Photon Veto (UPV)	Start Counter (ST)	Central Drift (CDC)	Forward Drifts (FDC)	Time-of-Flight (TOF)	Barrel Calorimeter (BCAL)	Forward Calorimeter (FCAL)	
Type	Scintillator	Scintillator	Scintillator	Scintillator	Straw Tube	Planar Chamber	Scintillator	Sci Fibers	Lead Glass	
Channel Count	144 fixed 120 movable	32	224	24	3337	2304 anodes 9216 cathodes	168	2304 inner 384 outer	2800	
Signal Source	Fixed – PMT Movable - SiPM	PMT	PMT	PMT	Anode wires (dE/dx)	Anode wires Cathode wires	PMT	SiPM	PMT	
Maximum Single Channel Rate	5 MHz	1 MHz	1 MHz	10 MHz	3 kHz – 100 kHz	Anodes: < 280 kHz Cathodes: < 600 kHz	6 MHz	1.4 MHz	2 MHz	
Level 1 Trigger	Yes (low rate runs)	Special low rate runs	no	Track count	no	no	Track count	Energy sum	Energy sum	
										QTY.
GueX ASIC 8 Channel, ASD 0.25 μ m CMOS					400	1440				1840
FADC-125 72 Ch, VME64x 12-bit, 125 MSPS					47	128				175
FADC-250 16 Ch, VME64x-VXS 10-bit, 250 MSPS	17		14	2			11	24 Outer 144 Inner	175	387
F1TDC** LVDS Input, Cal, 32 Ch, VME64x 60 ps	9	1		1			6	72 Inner		89
F1TDC_DC** LVDS Input, Cal, 48 Ch, VME64x 115 ps						48				48
CFD LVDS Output, 16 Ch, VME64x	17	2		2			11	144 Inner		176
VME64x Crate	2	1		1	3	11	1	12		31
VXS Crate	2		1	1			1	11	11	27

* Scalers are included in the fADC250.

** FITDC and FITDC-DC are assembly variants of the same module.