

Channels 4577.2

Number of Channels	FADC (250 Mhz)	FADC (62.5 MHz)	TDC (75 ps)	TDC (150 ps)	HV channels
Photon Tagger	0	0	250	0	250
Tracking	5200	8140	0	3984	250
Barrel Calorimeter	576	0	576	0	576
Cerenkov Detector	38	0	38	0	38
Forward Calorimeter	2200	0	0	0	0
Time of Flight Wall	320	0	320	0	320
Start Counter	10	0	10	2500	10
Totals	8344	8140	1194	6484	1444

Overall Costs

L1 Trigger Components	Number	Unit Cost (\$)	Cost (\$K)
Crate level summation	35	10	350
Subsystem level summation	5	25	125
Lookup table	1	50	50
Clocks, synchronization, cables			50
VME Crates	2	10	20
Sub Total			595

Electronics	Number	Unit Cost (\$)	Cost (\$K)
FADC (250 Mhz)	8344	200	1669
FADC (62.5 MHz)	8140	100	814
TDC (75 ps)	1194	150	179
TDC (150 ps)	6484	75	486
VME Crates	55	10000	550
Racks for VME Crates	28	500	14
L1 Trigger			595
HV Channels	1444	\$45K/256	270

Total

4577

Detector

18206.1

Subsystem

Cost (\$K)

Tracking	2495
Barrel Calorimeter	2697
Cerenkov Counter	623
Forward Calorimeter	670
Time of Flight Wall	821
Start Counter	758
Computing	1115
Electronics	4577
Hydrogen Target	400
Solenoid	750
Final Assembly	1500
Photon Tagger	1801

Total

18206

Detector Costs

