

CPU requirement (units of thousand 2013 equivalent cores)

Fiscal quarter	14Q2	14Q3	14Q4	15Q1	15Q2	15Q3	15Q4	16Q1	16Q2	16Q3	16Q4	17Q1	17Q2	17Q3	17Q4	18Q1	18Q2	18Q3	18Q4
Hall A - 6 GeV	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07										
Hall B - 6 GeV	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2										
Hall C 6 GeV	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15										
Total - 6 GeV	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hall A - 12 GeV	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Hall C - 12 GeV	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Assumed running (days) CLAS12	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0		50	0	50	60	60	0
Hall B - 12 GeV	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	6.5	0.6	6.5	11.6	11.6	0.6
Assumed running (days) GLUEX				20.0		40.0			90.0			120.0				120.0			
Hall D	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Total - 12 GeV	0.1	0.1	0.1	0.5	1.1	1.1	1.1	1.1	10.6	10.7	10.7	10.7	10.7	16.6	10.7	16.6	21.7	21.7	10.7
Total	1.5	1.5	1.5	1.9	2.5	2.5	2.5	2.5	12.1	10.7	10.7	10.7	10.7	16.6	10.7	16.6	21.7	21.7	10.7

Schedule of cpu and disk purchases.

Fiscal quarter	14Q2	14Q3	14Q4	15Q1	15Q2	15Q3	15Q4	16Q1	16Q2	16Q3	16Q4	17Q1	17Q2	17Q3	17Q4	18Q1	18Q2	18Q3	18Q4
CPU req (k cores)	1.5	1.5	1.5	1.9	2.5	2.5	2.5	2.5	12.1	10.7	10.7	10.7	10.7	16.6	10.7	16.6	21.7	21.7	10.7
k cores to add	0.0	0.0		3.7	0.0	0.0	0.0	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0	11.0	0.0	0.0
Cluster size (k cores)	1	1.0	1.0	4.7	4.7	4.7	4.7	4.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	21.7	21.7	21.7
Upgrade cost k \$	0	0	\$349K	0	0	0	0	\$538K	0	0	0	0	0	0	0	\$441K	0	0	0
Disk req PB	0.2	0.2	0.2	0.4	0.5	0.5	1.0	1.0	2.4	2.2	2.2	2.2	2.8	2.2	2.8	2.9	2.9	2.2	2.9
Disk to add	0.0	0.0	0.0	0.3	0.0	0.0	0.5	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Disk in PB	0.3	0.3	0.3	0.6	0.6	0.6	1.1	1.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Disk \$/TB	160	160	160	160	120	120	120	120	90	90	90	90	80	80	80	80			
Disk k\$	0	0	0	48	0	0	60	0	180	0	0	0	0	0	0	0	0	0	0
Tape req	0.4	0.4	0.4	0.6	1.2	1.2	2.0	2.0	3.5	3.1	3.1	3.1	7.0	3.1	7.0	7.8	7.8	3.1	7.8
Tape/PB	0.4	0.4	0.4	0.6	1.2	1.2	2.0	2.0	3.5	3.1	3.1	3.1	7.0	3.1	7.0	7.8	7.8	3.1	7.8
cost per PB k\$	17.0	17.0	17.0	17.0	16.0	16.0	16.0	16.0	12.0	12.0	12.0	12.0	8.0	8.0	8.0	8.0			
Tape k\$	7	7	7	11	19	19	32	32	42	38	38	38	56	25	56	62	0	0	0

