

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
1	1	1 HPS	\$2,202,505.37	31,190.48 hrs	\$1,293,315.49	\$258,663.10	\$909,189.88	\$181,837.98	\$1,551,978.58	\$1,091,027.86	\$2,643,006.44	Cost
2	1.1	1.1 Beamline	\$230,726.41	2,807.38 hrs	\$77,706.41	\$15,541.28	\$153,020.00	\$30,604.00	\$93,247.70	\$183,624.00	\$276,871.70	Cost
3	1.1.1	1.1.1 Beamline Conceptual Design	\$2,797.41	315.38 hrs	\$2,797.41	\$559.48	\$0.00	\$0.00	\$3,356.90	\$0.00	\$3,356.90	Cost
		MD J	\$2,797.41	67.38 hrs	\$2,797.41	\$559.48	\$0.00	\$0.00	\$3,356.90	\$0.00	\$3,356.90	Cost
		Phy 1 JB	\$0.00	124 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	124 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
4	1.1.2	1.1.2 Beamline Review	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
5	1.1.3	1.1.3 Frascati's Refurbishment	\$6,300.80	144 hrs	\$3,320.80	\$664.16	\$2,980.00	\$596.00	\$3,984.96	\$3,576.00	\$7,560.96	Cost
		Frascati's Refurbishment	\$2,980.00	1	\$0.00	\$0.00	\$2,980.00	\$596.00	\$0.00	\$3,576.00	\$3,576.00	Cost
		MT J	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
6	1.1.4	1.1.4 Frascati beampipe 1	\$7,450.00	128 hrs	\$0.00	\$0.00	\$7,450.00	\$1,490.00	\$0.00	\$8,940.00	\$8,940.00	Cost
		Frascati beampipe 1	\$7,450.00	1	\$0.00	\$0.00	\$7,450.00	\$1,490.00	\$0.00	\$8,940.00	\$8,940.00	Cost
		Phy 1 JB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
7	1.1.5	1.1.5 Beam Pipe to SVT	\$5,960.00	64 hrs	\$0.00	\$0.00	\$5,960.00	\$1,192.00	\$0.00	\$7,152.00	\$7,152.00	Cost
		Beam Pipe	\$5,960.00	1	\$0.00	\$0.00	\$5,960.00	\$1,192.00	\$0.00	\$7,152.00	\$7,152.00	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
8	1.1.6	1.1.6 SVT Vacuum Box	\$27,122.40	248 hrs	\$18,482.40	\$3,696.48	\$8,640.00	\$1,728.00	\$22,178.88	\$10,368.00	\$32,546.88	Cost
		Electron Run Flange	\$5,400.00	1	\$0.00	\$0.00	\$5,400.00	\$1,080.00	\$0.00	\$6,480.00	\$6,480.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
		MD S	\$11,138.40	80 hrs	\$11,138.40	\$2,227.68	\$0.00	\$0.00	\$13,366.08	\$0.00	\$13,366.08	Cost
		Vacuum Flange hardware	\$1,080.00	1	\$0.00	\$0.00	\$1,080.00	\$216.00	\$0.00	\$1,296.00	\$1,296.00	Cost
		Conflat gaskets	\$2,160.00	1	\$0.00	\$0.00	\$2,160.00	\$432.00	\$0.00	\$2,592.00	\$2,592.00	Cost
		Linear Shifts	\$0.00	3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Cooling Feedthrough	\$0.00	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
9	1.1.7	1.1.7 Electron Target	\$17,110.80	112 hrs	\$12,790.80	\$2,558.16	\$4,320.00	\$864.00	\$15,348.96	\$5,184.00	\$20,532.96	Cost
		Electron Target	\$4,320.00	1	\$0.00	\$0.00	\$4,320.00	\$864.00	\$0.00	\$5,184.00	\$5,184.00	Cost
		MT S	\$5,446.80	40 hrs	\$5,446.80	\$1,089.36	\$0.00	\$0.00	\$6,536.16	\$0.00	\$6,536.16	Cost
		Phy 1 JB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
10	1.1.8	1.1.8 Ecal Vacuum Chamber Welding	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
11	1.1.9	1.1.9 Restore controls and diagnostic	\$5,453.60	176 hrs	\$5,453.60	\$1,090.72	\$0.00	\$0.00	\$6,544.32	\$0.00	\$6,544.32	Cost
		ME J	\$2,132.80	32 hrs	\$2,132.80	\$426.56	\$0.00	\$0.00	\$2,559.36	\$0.00	\$2,559.36	Cost
		MT J	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
12	1.1.10	1.1.10 SVT Collimator Protection	\$20,353.60	176 hrs	\$5,453.60	\$1,090.72	\$14,900.00	\$2,980.00	\$6,544.32	\$17,880.00	\$24,424.32	Cost
		ME J	\$2,132.80	32 hrs	\$2,132.80	\$426.56	\$0.00	\$0.00	\$2,559.36	\$0.00	\$2,559.36	Cost
		MT J	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
		SVT Collimator Protection	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
13	1.1.11	1.1.11 Vacuum beam line downstream	\$14,900.00	32 hrs	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Vacuum beamline downstream chicane	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Phy 1 JB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
14	1.1.12	1.1.12 BOM and link to FS	\$16,102.80	192 hrs	\$8,652.80	\$1,730.56	\$7,450.00	\$1,490.00	\$10,383.36	\$8,940.00	\$19,323.36	Cost
		BOM and link to FS	\$7,450.00	1	\$0.00	\$0.00	\$7,450.00	\$1,490.00	\$0.00	\$8,940.00	\$8,940.00	Cost
		ME J	\$5,332.00	80 hrs	\$5,332.00	\$1,066.40	\$0.00	\$0.00	\$6,398.40	\$0.00	\$6,398.40	Cost

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		MT J	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
15	1.1.13	1.1.13 Complete single piece vacuum	\$19,051.00	180 hrs	\$4,151.00	\$830.20	\$14,900.00	\$2,980.00	\$4,981.20	\$17,880.00	\$22,861.20	Cost
		Single Piece vacuum Chamber	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		MT J	\$4,151.00	100 hrs	\$4,151.00	\$830.20	\$0.00	\$0.00	\$4,981.20	\$0.00	\$4,981.20	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
16	1.1.14	1.1.14 Frascati Beampipe 2	\$14,900.00	24 hrs	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Frascati beampipe 2	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Phy 1 JB	\$0.00	24 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
17	1.1.15	1.1.15 Beam Offset Monitor	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
18	1.1.16	1.1.16 Beam Profile Monitor	\$14,900.00	320 hrs	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Beam Offset Monitor	\$4,470.00	1	\$0.00	\$0.00	\$4,470.00	\$894.00	\$0.00	\$5,364.00	\$5,364.00	Cost
		Insertable YAG viewer	\$10,430.00	1	\$0.00	\$0.00	\$10,430.00	\$2,086.00	\$0.00	\$12,516.00	\$12,516.00	Cost
		Phy 1 JB	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
19	1.1.17	1.1.17 Cavity BPM	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
20	1.1.18	1.1.18 Photon Dump	\$30,822.40	336 hrs	\$9,962.40	\$1,992.48	\$20,860.00	\$4,172.00	\$11,954.88	\$25,032.00	\$36,986.88	Cost
		Photon Dump	\$20,860.00	1	\$0.00	\$0.00	\$20,860.00	\$4,172.00	\$0.00	\$25,032.00	\$25,032.00	Cost
		MD J	\$9,962.40	240 hrs	\$9,962.40	\$1,992.48	\$0.00	\$0.00	\$11,954.88	\$0.00	\$11,954.88	Cost
		Phy 1 JB	\$0.00	96 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
21	1.1.19	1.1.19 Shielding	\$27,501.60	200 hrs	\$6,641.60	\$1,328.32	\$20,860.00	\$4,172.00	\$7,969.92	\$25,032.00	\$33,001.92	Cost
		Shielding	\$20,860.00	1	\$0.00	\$0.00	\$20,860.00	\$4,172.00	\$0.00	\$25,032.00	\$25,032.00	Cost
		MD J	\$6,641.60	160 hrs	\$6,641.60	\$1,328.32	\$0.00	\$0.00	\$7,969.92	\$0.00	\$7,969.92	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
22	1.1.20	1.1.20 Beamline Installation	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
23	1.1.21	1.1.21 Beamline Installed	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
24	1.2	1.2 SVT	\$463,800.94	6,050.33 hrs	\$352,017.30	\$70,403.46	\$111,783.64	\$22,356.73	\$422,420.76	\$134,140.37	\$556,561.13	Cost
25	1.2.1	1.2.1 SVT returns from Jlab	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
26	1.2.2	1.2.2 SVT Engineering Design Review	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
27	1.2.3	1.2.3 Layers 1-3	\$96,505.20	1,540 hrs	\$53,305.20	\$10,661.04	\$43,200.00	\$8,640.00	\$63,966.24	\$51,840.00	\$115,806.24	Cost
		MT S	\$16,340.40	120 hrs	\$16,340.40	\$3,268.08	\$0.00	\$0.00	\$19,608.48	\$0.00	\$19,608.48	Cost
		MD S	\$22,276.80	160 hrs	\$22,276.80	\$4,455.36	\$0.00	\$0.00	\$26,732.16	\$0.00	\$26,732.16	Cost
		Tensioners	\$12,960.00	8	\$0.00	\$0.00	\$12,960.00	\$2,592.00	\$0.00	\$15,552.00	\$15,552.00	Cost
		Assembly Fixture	\$10,800.00	4	\$0.00	\$0.00	\$10,800.00	\$2,160.00	\$0.00	\$12,960.00	\$12,960.00	Cost
		Wirebonding Fixture	\$5,400.00	2	\$0.00	\$0.00	\$5,400.00	\$1,080.00	\$0.00	\$6,480.00	\$6,480.00	Cost
		U Support	\$10,800.00	2	\$0.00	\$0.00	\$10,800.00	\$2,160.00	\$0.00	\$12,960.00	\$12,960.00	Cost
		Cables Fixtures	\$3,240.00	1	\$0.00	\$0.00	\$3,240.00	\$648.00	\$0.00	\$3,888.00	\$3,888.00	Cost
		Phy 3 SV	\$0.00	590 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	590 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$14,688.00	80 hrs	\$14,688.00	\$2,937.60	\$0.00	\$0.00	\$17,625.60	\$0.00	\$17,625.60	Cost
28	1.2.4	1.2.4 Layers 4-6	\$103,219.20	1,315 hrs	\$62,179.20	\$12,435.84	\$41,040.00	\$8,208.00	\$74,615.04	\$49,248.00	\$123,863.04	Cost
		MD S	\$22,276.80	160 hrs	\$22,276.80	\$4,455.36	\$0.00	\$0.00	\$26,732.16	\$0.00	\$26,732.16	Cost
		MT S	\$21,787.20	160 hrs	\$21,787.20	\$4,357.44	\$0.00	\$0.00	\$26,144.64	\$0.00	\$26,144.64	Cost
		ET S	\$4,345.20	40 hrs	\$4,345.20	\$869.04	\$0.00	\$0.00	\$5,214.24	\$0.00	\$5,214.24	Cost
		FNAL Composite	\$0.00	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Cables Fixtures	\$3,240.00	1	\$0.00	\$0.00	\$3,240.00	\$648.00	\$0.00	\$3,888.00	\$3,888.00	Cost
		Wirebonding Fixture	\$5,400.00	2	\$0.00	\$0.00	\$5,400.00	\$1,080.00	\$0.00	\$6,480.00	\$6,480.00	Cost
		Tensioners	\$16,200.00	10	\$0.00	\$0.00	\$16,200.00	\$3,240.00	\$0.00	\$19,440.00	\$19,440.00	Cost
		Assembly Fixture	\$5,400.00	2	\$0.00	\$0.00	\$5,400.00	\$1,080.00	\$0.00	\$6,480.00	\$6,480.00	Cost
		U Support	\$10,800.00	2	\$0.00	\$0.00	\$10,800.00	\$2,160.00	\$0.00	\$12,960.00	\$12,960.00	Cost
		Phy 3 SV	\$0.00	440 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost

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		Phy 4 SV	\$0.00	440 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$13,770.00	75 hrs	\$13,770.00	\$2,754.00	\$0.00	\$0.00	\$16,524.00	\$0.00	\$16,524.00	Cost
29	1.2.5	1.2.5 C-Support	\$22,004.10	510 hrs	\$19,844.10	\$3,968.82	\$2,160.00	\$432.00	\$23,812.92	\$2,592.00	\$26,404.92	Cost
		MD S	\$11,138.40	80 hrs	\$11,138.40	\$2,227.68	\$0.00	\$0.00	\$13,366.08	\$0.00	\$13,366.08	Cost
		MT S	\$1,361.70	10 hrs	\$1,361.70	\$272.34	\$0.00	\$0.00	\$1,634.04	\$0.00	\$1,634.04	Cost
		C-support	\$2,160.00	1	\$0.00	\$0.00	\$2,160.00	\$432.00	\$0.00	\$2,592.00	\$2,592.00	Cost
		Phy 3 SV	\$0.00	190 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	190 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
30	1.2.6	1.2.6 DAQ Support/Cooling	\$22,085.00	248 hrs	\$18,360.00	\$3,672.00	\$3,725.00	\$745.00	\$22,032.00	\$4,470.00	\$26,502.00	Cost
		MD S	\$5,569.20	40 hrs	\$5,569.20	\$1,113.84	\$0.00	\$0.00	\$6,683.04	\$0.00	\$6,683.04	Cost
		MT S	\$5,446.80	40 hrs	\$5,446.80	\$1,089.36	\$0.00	\$0.00	\$6,536.16	\$0.00	\$6,536.16	Cost
		DAQ Support	\$3,725.00	1	\$0.00	\$0.00	\$3,725.00	\$745.00	\$0.00	\$4,470.00	\$4,470.00	Cost
		Phy 3 SV	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
31	1.2.7	1.2.7 Baseplate	\$23,760.00	440 hrs	\$18,360.00	\$3,672.00	\$5,400.00	\$1,080.00	\$22,032.00	\$6,480.00	\$28,512.00	Cost
		MD S	\$5,569.20	40 hrs	\$5,569.20	\$1,113.84	\$0.00	\$0.00	\$6,683.04	\$0.00	\$6,683.04	Cost
		MT S	\$5,446.80	40 hrs	\$5,446.80	\$1,089.36	\$0.00	\$0.00	\$6,536.16	\$0.00	\$6,536.16	Cost
		Baseplate	\$5,400.00	1	\$0.00	\$0.00	\$5,400.00	\$1,080.00	\$0.00	\$6,480.00	\$6,480.00	Cost
		Phy 3 SV	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
32	1.2.8	1.2.8 Motion Levers	\$28,126.80	320 hrs	\$23,806.80	\$4,761.36	\$4,320.00	\$864.00	\$28,568.16	\$5,184.00	\$33,752.16	Cost
		MD S	\$5,569.20	40 hrs	\$5,569.20	\$1,113.84	\$0.00	\$0.00	\$6,683.04	\$0.00	\$6,683.04	Cost
		MT S	\$10,893.60	80 hrs	\$10,893.60	\$2,178.72	\$0.00	\$0.00	\$13,072.32	\$0.00	\$13,072.32	Cost
		Flex links	\$4,320.00	2	\$0.00	\$0.00	\$4,320.00	\$864.00	\$0.00	\$5,184.00	\$5,184.00	Cost
		Phy 3 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
33	1.2.9	1.2.9 Vacuum Flanges	\$60,507.20	544 hrs	\$58,507.20	\$11,701.44	\$2,000.00	\$400.00	\$70,208.64	\$2,400.00	\$72,608.64	Cost
		MD S	\$11,138.40	80 hrs	\$11,138.40	\$2,227.68	\$0.00	\$0.00	\$13,366.08	\$0.00	\$13,366.08	Cost
		MT S	\$32,680.80	240 hrs	\$32,680.80	\$6,536.16	\$0.00	\$0.00	\$39,216.96	\$0.00	\$39,216.96	Cost
		8" CF Flange	\$2,000.00	2	\$0.00	\$0.00	\$2,000.00	\$400.00	\$0.00	\$2,400.00	\$2,400.00	Cost
		Phy 3 SV	\$0.00	72 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	72 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$14,688.00	80 hrs	\$14,688.00	\$2,937.60	\$0.00	\$0.00	\$17,625.60	\$0.00	\$17,625.60	Cost
34	1.2.10	1.2.10 Shipping Crates	\$33,745.44	280 hrs	\$23,806.80	\$4,761.36	\$9,938.64	\$1,987.73	\$28,568.16	\$11,926.37	\$40,494.53	Cost
		MD S	\$5,569.20	40 hrs	\$5,569.20	\$1,113.84	\$0.00	\$0.00	\$6,683.04	\$0.00	\$6,683.04	Cost
		MT S	\$10,893.60	80 hrs	\$10,893.60	\$2,178.72	\$0.00	\$0.00	\$13,072.32	\$0.00	\$13,072.32	Cost
		Crates	\$9,938.64	3	\$0.00	\$0.00	\$9,938.64	\$1,987.73	\$0.00	\$11,926.37	\$11,926.37	Cost
		Phy 3 SV	\$0.00	60 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	60 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ME S	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
35	1.2.11	1.2.11 Integration and testing at SLAC	\$64,504.80	744 hrs	\$64,504.80	\$12,900.96	\$0.00	\$0.00	\$77,405.76	\$0.00	\$77,405.76	Cost
		MT S	\$43,574.40	320 hrs	\$43,574.40	\$8,714.88	\$0.00	\$0.00	\$52,289.28	\$0.00	\$52,289.28	Cost
		ME S	\$14,688.00	80 hrs	\$14,688.00	\$2,937.60	\$0.00	\$0.00	\$17,625.60	\$0.00	\$17,625.60	Cost
		Survey Technician S	\$6,242.40	24 hrs	\$6,242.40	\$1,248.48	\$0.00	\$0.00	\$7,490.88	\$0.00	\$7,490.88	Cost
		Phy 3 SV	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
36	1.2.12	1.2.12 SVT Shipped at JLAB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	8 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	8 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
37	1.2.13	1.2.13 Integration at Jlab	\$9,343.20	93.33 hrs	\$9,343.20	\$1,868.64	\$0.00	\$0.00	\$11,211.84	\$0.00	\$11,211.84	Cost
		ME S	\$4,896.00	26.67 hrs	\$4,896.00	\$979.20	\$0.00	\$0.00	\$5,875.20	\$0.00	\$5,875.20	Cost
		EE S	\$4,447.20	26.67 hrs	\$4,447.20	\$889.44	\$0.00	\$0.00	\$5,336.64	\$0.00	\$5,336.64	Cost
		Phy 3 SV	\$0.00	20 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	20 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
38	1.2.14	1.2.14 SVT Ready For Installation	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
39	1.3	1.3 SVT DAQ	\$438,740.44	2,504 hrs	\$326,869.20	\$65,373.84	\$111,871.24	\$22,374.25	\$392,243.04	\$134,245.49	\$526,488.53	Cost
40	1.3.1	1.3.1 FE Boards	\$108,382.20	576 hrs	\$80,049.60	\$16,009.92	\$28,332.60	\$5,666.52	\$96,059.52	\$33,999.12	\$130,058.64	Cost
		Phy 3 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
41	1.3.1.1	1.3.1.1 ADC	\$3,551.20	0 hrs	\$0.00	\$0.00	\$3,551.20	\$710.24	\$0.00	\$4,261.44	\$4,261.44	Cost
		ADC	\$3,551.20	80	\$0.00	\$0.00	\$3,551.20	\$710.24	\$0.00	\$4,261.44	\$4,261.44	Cost
42	1.3.1.2	1.3.1.2 FPGA	\$6,625.80	0 hrs	\$0.00	\$0.00	\$6,625.80	\$1,325.16	\$0.00	\$7,950.96	\$7,950.96	Cost
		FPGA	\$6,625.80	20	\$0.00	\$0.00	\$6,625.80	\$1,325.16	\$0.00	\$7,950.96	\$7,950.96	Cost
43	1.3.1.3		\$1,326.00	0 hrs	\$0.00	\$0.00	\$1,326.00	\$265.20	\$0.00	\$1,591.20	\$1,591.20	Cost
		Preamp	\$1,326.00	200	\$0.00	\$0.00	\$1,326.00	\$265.20	\$0.00	\$1,591.20	\$1,591.20	Cost
44	1.3.1.4	1.3.1.4 Preamp	\$265.00	0 hrs	\$0.00	\$0.00	\$265.00	\$53.00	\$0.00	\$318.00	\$318.00	Cost
		Connectors	\$265.00	20	\$0.00	\$0.00	\$265.00	\$53.00	\$0.00	\$318.00	\$318.00	Cost
45	1.3.1.5	1.3.1.5 Power	\$662.60	0 hrs	\$0.00	\$0.00	\$662.60	\$132.52	\$0.00	\$795.12	\$795.12	Cost
		Power	\$662.60	20	\$0.00	\$0.00	\$662.60	\$132.52	\$0.00	\$795.12	\$795.12	Cost
46	1.3.1.6	1.3.1.6 Board	\$13,251.60	0 hrs	\$0.00	\$0.00	\$13,251.60	\$2,650.32	\$0.00	\$15,901.92	\$15,901.92	Cost
		Board	\$13,251.60	20	\$0.00	\$0.00	\$13,251.60	\$2,650.32	\$0.00	\$15,901.92	\$15,901.92	Cost
47	1.3.1.7	1.3.1.7 Assembly	\$2,650.40	0 hrs	\$0.00	\$0.00	\$2,650.40	\$530.08	\$0.00	\$3,180.48	\$3,180.48	Cost
		Assembly	\$2,650.40	20	\$0.00	\$0.00	\$2,650.40	\$530.08	\$0.00	\$3,180.48	\$3,180.48	Cost
48	1.3.1.8	1.3.1.8 Schematic	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
		EE S	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
49	1.3.1.9	1.3.1.9 Firmware	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
		EE S	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
50	1.3.1.10	1.3.1.10 Testing	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
		EE S	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
51	1.3.2	1.3.2 Flange	\$31,263.52	216 hrs	\$20,012.40	\$4,002.48	\$11,251.12	\$2,250.22	\$24,014.88	\$13,501.34	\$37,516.22	Cost
		Phy 3 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
52	1.3.2.1	1.3.2.1 Connector	\$172.80	0 hrs	\$0.00	\$0.00	\$172.80	\$34.56	\$0.00	\$207.36	\$207.36	Cost
		Connector	\$172.80	16	\$0.00	\$0.00	\$172.80	\$34.56	\$0.00	\$207.36	\$207.36	Cost
53	1.3.2.2	1.3.2.2 Fiber	\$4,452.48	0 hrs	\$0.00	\$0.00	\$4,452.48	\$890.50	\$0.00	\$5,342.98	\$5,342.98	Cost
		Fiber	\$4,452.48	16	\$0.00	\$0.00	\$4,452.48	\$890.50	\$0.00	\$5,342.98	\$5,342.98	Cost
54	1.3.2.3	1.3.2.3 Power	\$265.04	0 hrs	\$0.00	\$0.00	\$265.04	\$53.01	\$0.00	\$318.05	\$318.05	Cost
		Power	\$265.04	8	\$0.00	\$0.00	\$265.04	\$53.01	\$0.00	\$318.05	\$318.05	Cost
55	1.3.2.4	1.3.2.4 Board	\$5,300.64	0 hrs	\$0.00	\$0.00	\$5,300.64	\$1,060.13	\$0.00	\$6,360.77	\$6,360.77	Cost
		Board	\$5,300.64	8	\$0.00	\$0.00	\$5,300.64	\$1,060.13	\$0.00	\$6,360.77	\$6,360.77	Cost
56	1.3.2.5	1.3.2.5 Assembly	\$1,060.16	0 hrs	\$0.00	\$0.00	\$1,060.16	\$212.03	\$0.00	\$1,272.19	\$1,272.19	Cost
		Assembly	\$1,060.16	8	\$0.00	\$0.00	\$1,060.16	\$212.03	\$0.00	\$1,272.19	\$1,272.19	Cost
57	1.3.2.6	1.3.2.6 Schematic	\$13,341.60	80 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
		EE S	\$13,341.60	80 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
58	1.3.2.7	1.3.2.7 Testing	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
		EE S	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
59	1.3.3	1.3.3 DAQ	\$226,446.84	1,200 hrs	\$173,440.80	\$34,688.16	\$53,006.04	\$10,601.21	\$208,128.96	\$63,607.25	\$271,736.21	Cost
		Phy 3 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
60	1.3.3.1	1.3.3.1 SVT COB	\$23,852.76	0 hrs	\$0.00	\$0.00	\$23,852.76	\$4,770.55	\$0.00	\$28,623.31	\$28,623.31	Cost
		SVT COB	\$23,852.76	3	\$0.00	\$0.00	\$23,852.76	\$4,770.55	\$0.00	\$28,623.31	\$28,623.31	Cost
61	1.3.3.2	1.3.3.2 RTM	\$9,938.64	0 hrs	\$0.00	\$0.00	\$9,938.64	\$1,987.73	\$0.00	\$11,926.37	\$11,926.37	Cost
		RTM	\$9,938.64	3	\$0.00	\$0.00	\$9,938.64	\$1,987.73	\$0.00	\$11,926.37	\$11,926.37	Cost
62	1.3.3.3	1.3.3.3 Custom Board	\$9,938.64	0 hrs	\$0.00	\$0.00	\$9,938.64	\$1,987.73	\$0.00	\$11,926.37	\$11,926.37	Cost
		Custom Board	\$9,938.64	3	\$0.00	\$0.00	\$9,938.64	\$1,987.73	\$0.00	\$11,926.37	\$11,926.37	Cost
63	1.3.3.4	1.3.3.4 Crates	\$6,625.76	0 hrs	\$0.00	\$0.00	\$6,625.76	\$1,325.15	\$0.00	\$7,950.91	\$7,950.91	Cost
		Crates	\$6,625.76	2	\$0.00	\$0.00	\$6,625.76	\$1,325.15	\$0.00	\$7,950.91	\$7,950.91	Cost
64	1.3.3.5	1.3.3.5 Fiber Cables	\$2,650.24	0 hrs	\$0.00	\$0.00	\$2,650.24	\$530.05	\$0.00	\$3,180.29	\$3,180.29	Cost
		Fiber Cables	\$2,650.24	16	\$0.00	\$0.00	\$2,650.24	\$530.05	\$0.00	\$3,180.29	\$3,180.29	Cost
65	1.3.3.6	1.3.3.6 Schematic	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
		EE S	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
66	1.3.3.7	1.3.3.7 Firmware	\$53,366.40	320 hrs	\$53,366.40	\$10,673.28	\$0.00	\$0.00	\$64,039.68	\$0.00	\$64,039.68	Cost
		EE S	\$53,366.40	320 hrs	\$53,366.40	\$10,673.28	\$0.00	\$0.00	\$64,039.68	\$0.00	\$64,039.68	Cost
67	1.3.3.8	1.3.3.8 Software	\$53,366.40	320 hrs	\$53,366.40	\$10,673.28	\$0.00	\$0.00	\$64,039.68	\$0.00	\$64,039.68	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
		EE S	\$53,366.40	320 hrs	\$53,366.40	\$10,673.28	\$0.00	\$0.00	\$64,039.68	\$0.00	\$64,039.68	Cost
68	1.3.3.9	1.3.3.9 Testing	\$40,024.80	240 hrs	\$40,024.80	\$8,004.96	\$0.00	\$0.00	\$48,029.76	\$0.00	\$48,029.76	Cost
		EE S	\$40,024.80	240 hrs	\$40,024.80	\$8,004.96	\$0.00	\$0.00	\$48,029.76	\$0.00	\$48,029.76	Cost
69	1.3.4	1.3.4 Hybrid	\$31,342.68	216 hrs	\$20,012.40	\$4,002.48	\$11,330.28	\$2,266.06	\$24,014.88	\$13,596.34	\$37,611.22	Cost
		Phy 3 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
70	1.3.4.1	1.3.4.1 Hybrid Misc Part	\$1,788.84	0 hrs	\$0.00	\$0.00	\$1,788.84	\$357.77	\$0.00	\$2,146.61	\$2,146.61	Cost
		Hybrid Misc Part	\$1,788.84	36	\$0.00	\$0.00	\$1,788.84	\$357.77	\$0.00	\$2,146.61	\$2,146.61	Cost
71	1.3.4.2	1.3.4.2 Hybrid Board	\$4,770.72	0 hrs	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
		Hybrid Board	\$4,770.72	36	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
72	1.3.4.3	1.3.4.3 Hybrid Assembly	\$4,770.72	0 hrs	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
		Hybrid Assembly	\$4,770.72	36	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
73	1.3.4.4	1.3.4.4 Schematic	\$13,341.60	80 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
		EE S	\$13,341.60	80 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
74	1.3.4.5	1.3.4.5 Testing	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
		EE S	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
75	1.3.5	1.3.5 Flex Cable	\$41,305.20	296 hrs	\$33,354.00	\$6,670.80	\$7,951.20	\$1,590.24	\$40,024.80	\$9,541.44	\$49,566.24	Cost
		Phy 3 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
76	1.3.5.1	1.3.5.1 Misc Parts	\$795.12	0 hrs	\$0.00	\$0.00	\$795.12	\$159.02	\$0.00	\$954.14	\$954.14	Cost
		SVT Cable Misc parts	\$795.12	24	\$0.00	\$0.00	\$795.12	\$159.02	\$0.00	\$954.14	\$954.14	Cost
77	1.3.5.2	1.3.5.2 Cable	\$4,770.72	0 hrs	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
		SVT Cable	\$4,770.72	36	\$0.00	\$0.00	\$4,770.72	\$954.14	\$0.00	\$5,724.86	\$5,724.86	Cost
78	1.3.5.3	1.3.5.3 Assembly	\$2,385.36	0 hrs	\$0.00	\$0.00	\$2,385.36	\$477.07	\$0.00	\$2,862.43	\$2,862.43	Cost
		ST Cable Assembly	\$2,385.36	36	\$0.00	\$0.00	\$2,385.36	\$477.07	\$0.00	\$2,862.43	\$2,862.43	Cost
79	1.3.5.4	1.3.5.4 Schematic	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
		EE S	\$26,683.20	160 hrs	\$26,683.20	\$5,336.64	\$0.00	\$0.00	\$32,019.84	\$0.00	\$32,019.84	Cost
80	1.3.5.5	1.3.5.5 Testing	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
		EE S	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
81	1.4	1.4 ECAL	\$213,565.07	869.6 hrs	\$27,925.07	\$5,585.01	\$185,640.00	\$37,128.00	\$33,510.09	\$222,768.00	\$256,278.09	Cost
82	1.4.1	1.4.1 Ecal Enclosure	\$2,000.00	50.25 hrs	\$0.00	\$0.00	\$2,000.00	\$400.00	\$0.00	\$2,400.00	\$2,400.00	Cost
		Ecal enclosure	\$2,000.00	1	\$0.00	\$0.00	\$2,000.00	\$400.00	\$0.00	\$2,400.00	\$2,400.00	Cost
		ME O	\$0.00	2.25 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
83	1.4.2	1.4.2 Fix 2-shortd HV groups on top	\$1,660.40	44 hrs	\$1,660.40	\$332.08	\$0.00	\$0.00	\$1,992.48	\$0.00	\$1,992.48	Cost
		ET J	\$1,660.40	40 hrs	\$1,660.40	\$332.08	\$0.00	\$0.00	\$1,992.48	\$0.00	\$1,992.48	Cost
		Phy 2 JE	\$0.00	4 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
84	1.4.3	1.4.3 Order new bottom motherboard	\$5,960.00	24 hrs	\$0.00	\$0.00	\$5,960.00	\$1,192.00	\$0.00	\$7,152.00	\$7,152.00	Cost
		New Bottom-Left Motherboard	\$5,960.00	1	\$0.00	\$0.00	\$5,960.00	\$1,192.00	\$0.00	\$7,152.00	\$7,152.00	Cost
		Phy 2 JE	\$0.00	24 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
85	1.4.4	1.4.4 Install New motherboards	\$25,320.96	256 hrs	\$25,320.96	\$5,064.19	\$0.00	\$0.00	\$30,385.15	\$0.00	\$30,385.15	Cost
		EE J	\$25,320.96	224 hrs	\$25,320.96	\$5,064.19	\$0.00	\$0.00	\$30,385.15	\$0.00	\$30,385.15	Cost
		New Amplifiers Boards	\$0.00	60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
86	1.4.5	1.4.5 Replacement pre-amplifier board	\$30,000.00	24 hrs	\$0.00	\$0.00	\$30,000.00	\$6,000.00	\$0.00	\$36,000.00	\$36,000.00	Cost
		Ecal Pre-amps	\$30,000.00	500	\$0.00	\$0.00	\$30,000.00	\$6,000.00	\$0.00	\$36,000.00	\$36,000.00	Cost
		Phy 2 JE	\$0.00	24 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
87	1.4.6	1.4.6 Low voltage PS	\$29,800.00	24 hrs	\$0.00	\$0.00	\$29,800.00	\$5,960.00	\$0.00	\$35,760.00	\$35,760.00	Cost
		Low Voltage PS	\$29,800.00	1	\$0.00	\$0.00	\$29,800.00	\$5,960.00	\$0.00	\$35,760.00	\$35,760.00	Cost
		Phy 2 JE	\$0.00	24 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
88	1.4.7	1.4.7 Delay Cables	\$14,900.00	16 hrs	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		ECAL Cables	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		Phy 2 JE	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
89	1.4.8	1.4.8 Light Monitoring System	\$90,943.71	303.35 hrs	\$943.71	\$188.74	\$90,000.00	\$18,000.00	\$1,132.46	\$108,000.00	\$109,132.46	Cost
		ET O	\$0.00	135 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		EE J	\$943.71	8.35 hrs	\$943.71	\$188.74	\$0.00	\$0.00	\$1,132.46	\$0.00	\$1,132.46	Cost
		Ecal Optical Fibers	\$65,000.00	500	\$0.00	\$0.00	\$65,000.00	\$13,000.00	\$0.00	\$78,000.00	\$78,000.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
		<i>ECAL Optical connector and mechanic</i>	\$25,000.00	500	\$0.00	\$0.00	\$25,000.00	\$5,000.00	\$0.00	\$30,000.00	\$30,000.00	Cost
		<i>Phy 2 JE</i>	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
90	1.4.9	1.4.9 Assemble Ecal	\$10,000.00	48 hrs	\$0.00	\$0.00	\$10,000.00	\$2,000.00	\$0.00	\$12,000.00	\$12,000.00	Cost
		<i>Consumables</i>	\$10,000.00	1	\$0.00	\$0.00	\$10,000.00	\$2,000.00	\$0.00	\$12,000.00	\$12,000.00	Cost
		<i>Phy 2 JE</i>	\$0.00	48 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
91	1.4.10	1.4.10 Test and Calibrate Ecal	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 2 JE</i>	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
92	1.4.11	1.4.11 New mounting system	\$2,980.00	16 hrs	\$0.00	\$0.00	\$2,980.00	\$596.00	\$0.00	\$3,576.00	\$3,576.00	Cost
		<i>ECAL Mounting System</i>	\$2,980.00	1	\$0.00	\$0.00	\$2,980.00	\$596.00	\$0.00	\$3,576.00	\$3,576.00	Cost
		<i>Phy 2 JE</i>	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
93	1.4.12	1.4.12 ECAL Ready for the installatio	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
94	1.5	1.5 Muon	\$309,782.30	3,202 hrs	\$26,977.30	\$5,395.46	\$282,805.00	\$56,561.00	\$32,372.76	\$339,366.00	\$371,738.76	Cost
95	1.5.1	1.5.1 Muon Engineering design review	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
96	1.5.2	1.5.2 PMT	\$144,835.00	384 hrs	\$0.00	\$0.00	\$144,835.00	\$28,967.00	\$0.00	\$173,802.00	\$173,802.00	Cost
		<i>PMT</i>	\$83,000.00	332	\$0.00	\$0.00	\$83,000.00	\$16,600.00	\$0.00	\$99,600.00	\$99,600.00	Cost
		<i>PMT Divider</i>	\$37,101.00	332	\$0.00	\$0.00	\$37,101.00	\$7,420.20	\$0.00	\$44,521.20	\$44,521.20	Cost
		<i>PMT Housing</i>	\$24,734.00	332	\$0.00	\$0.00	\$24,734.00	\$4,946.80	\$0.00	\$29,680.80	\$29,680.80	Cost
		<i>Phy 2 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
97	1.5.3	1.5.3 Muon Vacuum Chamber	\$59,352.10	690 hrs	\$14,652.10	\$2,930.42	\$44,700.00	\$8,940.00	\$17,582.52	\$53,640.00	\$71,222.52	Cost
		<i>ME J</i>	\$666.50	10 hrs	\$666.50	\$133.30	\$0.00	\$0.00	\$799.80	\$0.00	\$799.80	Cost
		<i>MD J</i>	\$6,641.60	160 hrs	\$6,641.60	\$1,328.32	\$0.00	\$0.00	\$7,969.92	\$0.00	\$7,969.92	Cost
		<i>Muon Vacuum Chamber</i>	\$44,700.00	1	\$0.00	\$0.00	\$44,700.00	\$8,940.00	\$0.00	\$53,640.00	\$53,640.00	Cost
		<i>Phy 2 M</i>	\$0.00	240 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	240 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>ME S</i>	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
98	1.5.4	1.5.4 Stand	\$16,560.40	424 hrs	\$1,660.40	\$332.08	\$14,900.00	\$2,980.00	\$1,992.48	\$17,880.00	\$19,872.48	Cost
		<i>Muon Stand</i>	\$14,900.00	1	\$0.00	\$0.00	\$14,900.00	\$2,980.00	\$0.00	\$17,880.00	\$17,880.00	Cost
		<i>MD J</i>	\$1,660.40	40 hrs	\$1,660.40	\$332.08	\$0.00	\$0.00	\$1,992.48	\$0.00	\$1,992.48	Cost
		<i>Phy 2 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
99	1.5.5	1.5.5 Absorbers	\$58,344.80	504 hrs	\$10,664.80	\$2,132.96	\$47,680.00	\$9,536.00	\$12,797.76	\$57,216.00	\$70,013.76	Cost
		<i>Absorbers</i>	\$47,680.00	4	\$0.00	\$0.00	\$47,680.00	\$9,536.00	\$0.00	\$57,216.00	\$57,216.00	Cost
		<i>MD J</i>	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
		<i>Phy 2 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>ME S</i>	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
100	1.5.6	1.5.6 Hodoscope Support	\$7,450.00	192 hrs	\$0.00	\$0.00	\$7,450.00	\$1,490.00	\$0.00	\$8,940.00	\$8,940.00	Cost
		<i>Hodoscope Support</i>	\$7,450.00	1	\$0.00	\$0.00	\$7,450.00	\$1,490.00	\$0.00	\$8,940.00	\$8,940.00	Cost
		<i>Phy 2 M</i>	\$0.00	96 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	96 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
101	1.5.7	1.5.7 Cable HV	\$13,280.00	384 hrs	\$0.00	\$0.00	\$13,280.00	\$2,656.00	\$0.00	\$15,936.00	\$15,936.00	Cost
		<i>Cables HV</i>	\$13,280.00	332	\$0.00	\$0.00	\$13,280.00	\$2,656.00	\$0.00	\$15,936.00	\$15,936.00	Cost
		<i>Phy 2 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
102	1.5.8	1.5.8 Cable Signal	\$9,960.00	384 hrs	\$0.00	\$0.00	\$9,960.00	\$1,992.00	\$0.00	\$11,952.00	\$11,952.00	Cost
		<i>Cables Signal</i>	\$9,960.00	332	\$0.00	\$0.00	\$9,960.00	\$1,992.00	\$0.00	\$11,952.00	\$11,952.00	Cost
		<i>Phy 2 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	192 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
103	1.5.9	1.5.9 Assembly	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	160 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
104	1.5.10	1.5.10 Testing	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 1 M</i>	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
105	1.5.11	1.5.11 Muon Ready for installation	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
106	1.6	1.6 TDAQ	\$129,925.60	2,512 hrs	\$129,925.60	\$25,985.12	\$0.00	\$0.00	\$155,910.72	\$0.00	\$155,910.72	Cost
107	1.6.1	1.6.1 EPICS information into data stream	\$18,086.40	192 hrs	\$18,086.40	\$3,617.28	\$0.00	\$0.00	\$21,703.68	\$0.00	\$21,703.68	Cost
		EE J	\$18,086.40	160 hrs	\$18,086.40	\$3,617.28	\$0.00	\$0.00	\$21,703.68	\$0.00	\$21,703.68	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
108	1.6.2	1.6.2 Event header with appropriate	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
109	1.6.3	1.6.3 Readout of fADC scalers in EPI	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
110	1.6.4	1.6.4 Rate monitoring with discriminators	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
111	1.6.5	1.6.5 Event display	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
112	1.6.6	1.6.6 Monitoring/histogramming	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
113	1.6.7	1.6.7 ECAL+Muon FDAC	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		FADC	\$0.00	49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
114	1.6.8	1.6.8 Trigger Interface	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Trigger Interface	\$0.00	3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
115	1.6.9	1.6.9 Signal distribution	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Signal Distribution	\$0.00	3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
116	1.6.10	1.6.10 Crate Trigger Processor	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Crate Trigger processor	\$0.00	3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
117	1.6.11	1.6.11 Sub-System Processor	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Sub-System processor	\$0.00	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
118	1.6.12	1.6.12 Global Trigger Processor	\$0.00	800 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Global Trigger processor	\$0.00	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	800 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
119	1.6.13	1.6.13 Trigger Distribution	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Trigger Distribution	\$0.00	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
120	1.6.14	1.6.14 Trigger Supervisor	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Trigger Supervisor	\$0.00	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
121	1.6.15	1.6.15 Update firmware on FADC250	\$18,086.40	160 hrs	\$18,086.40	\$3,617.28	\$0.00	\$0.00	\$21,703.68	\$0.00	\$21,703.68	Cost
		EE J	\$18,086.40	160 hrs	\$18,086.40	\$3,617.28	\$0.00	\$0.00	\$21,703.68	\$0.00	\$21,703.68	Cost
122	1.6.16	1.6.16 New firmware for cluster finding	\$36,172.80	320 hrs	\$36,172.80	\$7,234.56	\$0.00	\$0.00	\$43,407.36	\$0.00	\$43,407.36	Cost
		EE J	\$36,172.80	320 hrs	\$36,172.80	\$7,234.56	\$0.00	\$0.00	\$43,407.36	\$0.00	\$43,407.36	Cost
123	1.6.17	1.6.17 New firmware for SSP	\$21,407.20	240 hrs	\$21,407.20	\$4,281.44	\$0.00	\$0.00	\$25,688.64	\$0.00	\$25,688.64	Cost
		EE J	\$18,086.40	160 hrs	\$18,086.40	\$3,617.28	\$0.00	\$0.00	\$21,703.68	\$0.00	\$21,703.68	Cost
		ET J	\$3,320.80	80 hrs	\$3,320.80	\$664.16	\$0.00	\$0.00	\$3,984.96	\$0.00	\$3,984.96	Cost
124	1.6.18	1.6.18 Trigger monitoring tools	\$36,172.80	320 hrs	\$36,172.80	\$7,234.56	\$0.00	\$0.00	\$43,407.36	\$0.00	\$43,407.36	Cost
		EE J	\$36,172.80	320 hrs	\$36,172.80	\$7,234.56	\$0.00	\$0.00	\$43,407.36	\$0.00	\$43,407.36	Cost
125	1.7	1.7 Slow Control	\$163,545.20	2,061.17 hrs	\$99,475.20	\$19,895.04	\$64,070.00	\$12,814.00	\$119,370.24	\$76,884.00	\$196,254.24	Cost
126	1.7.1	1.7.1 Chiller control programming	\$41,823.20	92 hrs	\$9,043.20	\$1,808.64	\$32,780.00	\$6,556.00	\$10,851.84	\$39,336.00	\$50,187.84	Cost
		Equipment for chiller Control	\$2,980.00	1	\$0.00	\$0.00	\$2,980.00	\$596.00	\$0.00	\$3,576.00	\$3,576.00	Cost
		EE J	\$9,043.20	80 hrs	\$9,043.20	\$1,808.64	\$0.00	\$0.00	\$10,851.84	\$0.00	\$10,851.84	Cost
		Chiller	\$29,800.00	1	\$0.00	\$0.00	\$29,800.00	\$5,960.00	\$0.00	\$35,760.00	\$35,760.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
		<i>Phy 1 JSC</i>	\$0.00	12 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
127	1.7.2	1.7.2 I/O modules for control	\$22,350.00	77.17 hrs	\$0.00	\$0.00	\$22,350.00	\$4,470.00	\$0.00	\$26,820.00	\$26,820.00	Cost
		<i>I/O Modules for controls</i>	\$22,350.00	1	\$0.00	\$0.00	\$22,350.00	\$4,470.00	\$0.00	\$26,820.00	\$26,820.00	Cost
		<i>Phy 1 JSC</i>	\$0.00	77.17 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
128	1.7.3	1.7.3 Sensor readout programming	\$13,564.80	300 hrs	\$13,564.80	\$2,712.96	\$0.00	\$0.00	\$16,277.76	\$0.00	\$16,277.76	Cost
		<i>EE J</i>	\$13,564.80	120 hrs	\$13,564.80	\$2,712.96	\$0.00	\$0.00	\$16,277.76	\$0.00	\$16,277.76	Cost
		<i>Phy 1 JSC</i>	\$0.00	180 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
129	1.7.4	1.7.4 SVT voltage control	\$13,564.80	138 hrs	\$13,564.80	\$2,712.96	\$0.00	\$0.00	\$16,277.76	\$0.00	\$16,277.76	Cost
		<i>EE J</i>	\$13,564.80	120 hrs	\$13,564.80	\$2,712.96	\$0.00	\$0.00	\$16,277.76	\$0.00	\$16,277.76	Cost
		<i>Phy 1 JSC</i>	\$0.00	18 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
130	1.7.5	1.7.5 ECAL voltage control	\$4,521.60	118 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	78 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
131	1.7.6	1.7.6 Muon detector voltage control	\$4,521.60	196 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	156 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
132	1.7.7	1.7.7 SVT motor controls	\$9,043.20	92 hrs	\$9,043.20	\$1,808.64	\$0.00	\$0.00	\$10,851.84	\$0.00	\$10,851.84	Cost
		<i>EE J</i>	\$9,043.20	80 hrs	\$9,043.20	\$1,808.64	\$0.00	\$0.00	\$10,851.84	\$0.00	\$10,851.84	Cost
		<i>Phy 1 JSC</i>	\$0.00	12 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
133	1.7.8	1.7.8 Target motor control	\$4,521.60	46 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	6 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
134	1.7.9	1.7.9 Software interlock	\$4,521.60	142 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	102 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
135	1.7.10	1.7.10 Hardware interlocks	\$22,504.80	222 hrs	\$13,564.80	\$2,712.96	\$8,940.00	\$1,788.00	\$16,277.76	\$10,728.00	\$27,005.76	Cost
		<i>Hardware Interlock Equipments</i>	\$8,940.00	1	\$0.00	\$0.00	\$8,940.00	\$1,788.00	\$0.00	\$10,728.00	\$10,728.00	Cost
		<i>EE J</i>	\$13,564.80	120 hrs	\$13,564.80	\$2,712.96	\$0.00	\$0.00	\$16,277.76	\$0.00	\$16,277.76	Cost
		<i>Phy 1 JSC</i>	\$0.00	102 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
136	1.7.11	1.7.11 Beamline control screens	\$4,521.60	166 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	126 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
137	1.7.12	1.7.12 EPICS Scalers programing	\$9,043.20	284 hrs	\$9,043.20	\$1,808.64	\$0.00	\$0.00	\$10,851.84	\$0.00	\$10,851.84	Cost
		<i>EE J</i>	\$9,043.20	80 hrs	\$9,043.20	\$1,808.64	\$0.00	\$0.00	\$10,851.84	\$0.00	\$10,851.84	Cost
		<i>Phy 1 JSC</i>	\$0.00	204 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
138	1.7.13	1.7.13 Alarms configuration	\$4,521.60	46 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	6 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
139	1.7.14	1.7.14 Archiving of controls	\$4,521.60	142 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>EE J</i>	\$4,521.60	40 hrs	\$4,521.60	\$904.32	\$0.00	\$0.00	\$5,425.92	\$0.00	\$5,425.92	Cost
		<i>Phy 1 JSC</i>	\$0.00	102 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
140	1.8	1.8 Installation & Commissioning	\$27,356.40	960 hrs	\$27,356.40	\$5,471.28	\$0.00	\$0.00	\$32,827.68	\$0.00	\$32,827.68	Cost
141	1.8.1	1.8.1 Installation review	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
142	1.8.2	1.8.2 SVT I&C	\$14,014.80	160 hrs	\$14,014.80	\$2,802.96	\$0.00	\$0.00	\$16,817.76	\$0.00	\$16,817.76	Cost
		<i>EE S</i>	\$6,670.80	40 hrs	\$6,670.80	\$1,334.16	\$0.00	\$0.00	\$8,004.96	\$0.00	\$8,004.96	Cost
		<i>ME S</i>	\$7,344.00	40 hrs	\$7,344.00	\$1,468.80	\$0.00	\$0.00	\$8,812.80	\$0.00	\$8,812.80	Cost
		<i>Phy 3 SV</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 4 SV</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
143	1.8.3	1.8.3 ECAL I&C	\$0.00	120 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>ET O</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>MT O</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>Phy 2 JE</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
144	1.8.4	1.8.4 Muon I&C	\$0.00	240 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		<i>ME J</i>	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
		ET J	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 M	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 M	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
145	1.8.5	1.8.5 TDAQ I&C	\$13,341.60	320 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
		EE J	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ET J	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		EE S	\$13,341.60	80 hrs	\$13,341.60	\$2,668.32	\$0.00	\$0.00	\$16,009.92	\$0.00	\$16,009.92	Cost
		Phy 1 JD	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
146	1.8.6	1.8.6 Slow Control I&C	\$0.00	120 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		EE J	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ET J	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JSC	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
147	1.8.7	1.8.7 HPS ready for the beam	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
148	1.9	1.9 Electron Running	\$0.00	3,840 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
149	1.9.1	1.9.1 Beamline Commissioning (2014)	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JSC	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 M	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
150	1.9.2	1.9.2 Detector Commissioning Run (2014)	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JSC	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 M	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	40 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
151	1.9.5	1.9.3 Data Run 2.2GeV (2014)	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
152	1.9.6	1.9.4 Data Run 1.1 GeV (2014)	\$0.00	0 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
153	1.9.3	1.9.5 Beamline recommissioning (2014)	\$0.00	640 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JSC	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 M	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
154	1.9.4	1.9.6 Data Run (2015)	\$0.00	2,560 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JSC	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JD	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 M	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 SB	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 2 JE	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	320 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
155	1.10	1.10 SLAC Travel Meetings	\$104,958.00	2,800 hrs	\$104,958.00	\$20,991.60	\$0.00	\$0.00	\$125,949.60	\$0.00	\$125,949.60	Cost
156	1.10.2	1.10.1 Collaboration Meeting May 2013	\$16,371.00	400 hrs	\$16,371.00	\$3,274.20	\$0.00	\$0.00	\$19,645.20	\$0.00	\$19,645.20	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Rental Car 2	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Phy 6 S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
		Phy 2 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 4 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 5 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		EE S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
157	1.10.3	1.10.2 Consultation 1 at JLAB	\$6,273.00	160 hrs	\$6,273.00	\$1,254.60	\$0.00	\$0.00	\$7,527.60	\$0.00	\$7,527.60	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
158	1.10.4	1.10.3 Collaboration Meeting November 2013	\$16,371.00	400 hrs	\$16,371.00	\$3,274.20	\$0.00	\$0.00	\$19,645.20	\$0.00	\$19,645.20	Cost
		Rental Car 2	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Phy 6 S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 2 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 4 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 5 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		EE S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
159	1.10.5	1.10.4 Collaboration Meeting May 2014	\$16,371.00	400 hrs	\$16,371.00	\$3,274.20	\$0.00	\$0.00	\$19,645.20	\$0.00	\$19,645.20	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Rental Car 2	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		Phy 6 S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 2 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 4 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 5 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		EE S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
160	1.10.9	1.10.5 Consultation 2 at JLAB	\$6,273.00	160 hrs	\$6,273.00	\$1,254.60	\$0.00	\$0.00	\$7,527.60	\$0.00	\$7,527.60	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
161	1.10.7	1.10.6 Collaboration Meeting November 2014	\$16,371.00	400 hrs	\$16,371.00	\$3,274.20	\$0.00	\$0.00	\$19,645.20	\$0.00	\$19,645.20	Cost
		Rental Car 1	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
		ME S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		EE S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 1 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 2 SB	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 3 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 4 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 5 SV	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Phy 6 S	\$1,912.50	40 hrs	\$1,912.50	\$382.50	\$0.00	\$0.00	\$2,295.00	\$0.00	\$2,295.00	Cost
		Rental Car 2	\$535.50	40 hrs	\$535.50	\$107.10	\$0.00	\$0.00	\$642.60	\$0.00	\$642.60	Cost
162	1.10.8	1.10.7 Installation&Commissioning	\$26,928.00	880 hrs	\$26,928.00	\$5,385.60	\$0.00	\$0.00	\$32,313.60	\$0.00	\$32,313.60	Cost
		EE S	\$1,377.00	40 hrs	\$1,377.00	\$275.40	\$0.00	\$0.00	\$1,652.40	\$0.00	\$1,652.40	Cost
		ME S	\$1,377.00	40 hrs	\$1,377.00	\$275.40	\$0.00	\$0.00	\$1,652.40	\$0.00	\$1,652.40	Cost
		Phy 6 S	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 1 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 2 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 3 SV	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 4 SV	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Rental Car 1	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Rental Car 2	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Phy 5 SV	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 2 Sw	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 1 Sw	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost

WBS

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
163	1.11	1.11 SLAC Travel for Commissioning&	\$46,665.00	2,400 hrs	\$46,665.00	\$9,333.00	\$0.00	\$0.00	\$55,998.00	\$0.00	\$55,998.00	Cost
164	1.11.1	1.11.1 Commissioning (2014)	\$9,333.00	400 hrs	\$9,333.00	\$1,866.60	\$0.00	\$0.00	\$11,199.60	\$0.00	\$11,199.60	Cost
		Phy 1 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 2 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 3 SV	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Rental Car 1	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Phy 4 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
165	1.11.2	1.11.2 Run 2.2GeV (2014)	\$6,579.00	240 hrs	\$6,579.00	\$1,315.80	\$0.00	\$0.00	\$7,894.80	\$0.00	\$7,894.80	Cost
		Rental Car 1	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Phy 1 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 2 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
166	1.11.7	1.11.3 Run 1.1 GeV (2014)	\$1,071.00	240 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Phy 1 SB	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 3 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Rental Car 1	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
167	1.11.3	1.11.4 Commissioning (2015)	\$7,650.00	560 hrs	\$7,650.00	\$1,530.00	\$0.00	\$0.00	\$9,180.00	\$0.00	\$9,180.00	Cost
		Phy 1 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Phy 2 SB	\$2,754.00	80 hrs	\$2,754.00	\$550.80	\$0.00	\$0.00	\$3,304.80	\$0.00	\$3,304.80	Cost
		Rental Car 1	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
		Phy 3 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 4 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 5 SV	\$0.00	80 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Rental Car 2	\$1,071.00	80 hrs	\$1,071.00	\$214.20	\$0.00	\$0.00	\$1,285.20	\$0.00	\$1,285.20	Cost
168	1.11.4	1.11.5 Run 2.2 GeV (2015)	\$11,016.00	480 hrs	\$11,016.00	\$2,203.20	\$0.00	\$0.00	\$13,219.20	\$0.00	\$13,219.20	Cost
		Phy 1 SB	\$4,437.00	160 hrs	\$4,437.00	\$887.40	\$0.00	\$0.00	\$5,324.40	\$0.00	\$5,324.40	Cost
		Phy 2 SB	\$4,437.00	160 hrs	\$4,437.00	\$887.40	\$0.00	\$0.00	\$5,324.40	\$0.00	\$5,324.40	Cost
		Rental Car 1	\$2,142.00	160 hrs	\$2,142.00	\$428.40	\$0.00	\$0.00	\$2,570.40	\$0.00	\$2,570.40	Cost
169	1.11.6	1.11.6 Run 6.6 GeV (2015)	\$11,016.00	480 hrs	\$11,016.00	\$2,203.20	\$0.00	\$0.00	\$13,219.20	\$0.00	\$13,219.20	Cost
		Phy 1 SB	\$4,437.00	160 hrs	\$4,437.00	\$887.40	\$0.00	\$0.00	\$5,324.40	\$0.00	\$5,324.40	Cost
		Phy 2 SB	\$4,437.00	160 hrs	\$4,437.00	\$887.40	\$0.00	\$0.00	\$5,324.40	\$0.00	\$5,324.40	Cost
		Rental Car 1	\$2,142.00	160 hrs	\$2,142.00	\$428.40	\$0.00	\$0.00	\$2,570.40	\$0.00	\$2,570.40	Cost
170	1.12	1.12 Project management	\$73,440.00	1,184 hrs	\$73,440.00	\$14,688.00	\$0.00	\$0.00	\$88,128.00	\$0.00	\$88,128.00	Cost
		ME S	\$73,440.00	400 hrs	\$73,440.00	\$14,688.00	\$0.00	\$0.00	\$88,128.00	\$0.00	\$88,128.00	Cost
		Phy 3 J	\$0.00	392 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 6 S	\$0.00	392 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost