

ID	WBS	Task Name	Cost	Work	Labor	Lcontingency	Material	Mcontingency	Ltotal	Mtotal	Total	Details
1	1	1 HPS	\$2,270,304.77	33,937.15 hrs	\$1,361,114.89	\$272,222.98	\$909,189.88	\$181,837.98	\$1,633,337.86	\$1,091,027.86	\$2,724,365.72	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 SB	\$0.00	124 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		Phy 1 JB	\$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
		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 SB	\$0.00	32 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
		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
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
		Phy 1 SB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	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
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
		Phy 1 SB	\$0.00	32 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	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
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
		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
		Phy 1 SB	\$0.00	64 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	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
		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
		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
		Phy 1 JB	\$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
		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
		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 SB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Cost
		ElectronTarget	\$4,320.00	1	\$0.00	\$0.00	\$4,320.00	\$864.00	\$0.00	\$5,184.00	\$5,184.00	Cost
		Phy 1 JB	\$0.00	16 hrs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	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 SB	\$0.00	32 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
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
		Phy 1 SB	\$0.00	32 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
		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
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
		Phy 1 SB	\$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
		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
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
		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
		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