

ID	WBS	Task Name	Base Cost	1998		1999		2000		2001		2002		2003		2004			
				Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr				
1	3.1.1	CSC Muon Trigger	\$1,977,764																
2	3.1.1.1	Muon Port Cards (MPC)	\$564,344																
3	3.1.1.1.1	MPC Design	\$100,000																
4	3.1.1.1.1.1	MPC Initial System Des	\$20,000																
5	3.1.1.1.1.2	MPC Prototype Design	\$80,000																
6	3.1.1.1.2	MPC Proto. Construction	\$47,000																
7	3.1.1.1.2.1	MPC Proto. Constr. Ma	\$5,000																
8	3.1.1.1.2.2	MPC Proto. Cables	\$2,000																
9	3.1.1.1.2.3	MPC Proto. Component	\$10,000																
10	3.1.1.1.2.4	MPC Proto. Boards	\$10,000																
11	3.1.1.1.2.5	MPC Proto. Optical Link	\$10,000																
12	3.1.1.1.2.6	MPC Proto. TTC Links	\$10,000																
13	3.1.1.1.3	MPC Proto. Test	\$20,000																
14	3.1.1.1.4	MPC ASIC and Board Desig	\$80,000																
15	3.1.1.1.5	MPC Active Components	\$172,320																
16	3.1.1.1.5.1	MPC FPGAs	\$86,400																
17	3.1.1.1.5.2	MPC JTAG controller	\$960																
18	3.1.1.1.5.3	MPC EPROM	\$960																
19	3.1.1.1.5.4	MPC Glinks to Track Fir	\$84,000																
20	3.1.1.1.6	MPC Boards	\$89,508																
21	3.1.1.1.6.1	MPC Board Prod. Mana	\$7,500																
22	3.1.1.1.6.2	MPC Board Setup	\$1,920																
23	3.1.1.1.6.3	MPC Board Fabrication	\$14,400																

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				Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
24	3.1.1.1.6.4	MPC Board Assembly	\$4,800									29 Oct	21 Jan				
25	3.1.1.1.6.5	MPC Connectors-coppe	\$4,800							11 Jun	17 Aug						
26	3.1.1.1.6.6	MPC Misc components	\$2,880							11 Jun	17 Aug						
27	3.1.1.1.6.7	MPC Inspection and Te	\$15,000									22 Jan	10 Jun				
28	3.1.1.1.6.8	MPC Motherboard Cabl	\$9,408							11 Jun	17 Aug						
29	3.1.1.1.6.9	MPC TTC optical links	\$28,800							11 Jun	17 Aug						
30	3.1.1.1.7	MPC Installation	\$25,000									11 Jun	28 Oct				
31	3.1.1.1.8	MPC Spares	\$30,516									29 Oct	1 Apr				
32	3.1.1.2	Sector Receivers (SR)	\$464,040														
33	3.1.1.2.1	SR Design	\$100,000														
34	3.1.1.2.1.1	SR Initial System Desig	\$20,000		4 Mar												
35	3.1.1.2.1.2	SR Proto. Design	\$80,000	Mar				30 Sep									
36	3.1.1.2.2	SR Proto. Construction	\$60,000														
37	3.1.1.2.2.1	SR Proto. Constr. Mana	\$20,000					1 Oct		3 Mar							
38	3.1.1.2.2.2	SR Proto. Components	\$20,000					1 Oct		3 Mar							
39	3.1.1.2.2.3	SR Proto. Boards	\$20,000					1 Oct		3 Mar							
40	3.1.1.2.3	SR Proto. Test	\$20,000							6 Mar		21 Jul					
41	3.1.1.2.4	SR ASIC and Board Design	\$80,000							24 Jul			4 Mar				
42	3.1.1.2.5	SR Active Components	\$124,800									5 Mar		4 Mar			
43	3.1.1.2.6	SR Boards	\$48,240														
44	3.1.1.2.6.1	SR Const. Manage	\$15,000									5 Mar		30 Sep			
45	3.1.1.2.6.2	SR Board Setup	\$960									5 Mar		13 May			
46	3.1.1.2.6.3	SR Board Fabrication	\$7,200									5 Mar		13 May			

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				Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr		
47	3.1.1.2.6.4	SR Board Assembly	\$7,200									14 May	22 Jul						
48	3.1.1.2.6.5	SR Connectors-copper	\$1,440									5 Mar	13 May						
49	3.1.1.2.6.6	SR Misc components	\$1,440									5 Mar	13 May						
50	3.1.1.2.6.7	SR Inspection and test	\$15,000									1 Oct	4 Mar						
51	3.1.1.2.7	SR Installation	\$10,000									5 Mar	22 Jul						
52	3.1.1.2.8	SR Spares	\$21,000									5 Mar	22 Jul						
53	3.1.1.3	Sector Processors (SP)	\$547,560																
54	3.1.1.3.1	SP Design	\$100,000																
55	3.1.1.3.1.1	SP Initial System Desig	\$20,000									4 Mar							
56	3.1.1.3.1.2	SP Proto. Design	\$80,000	Mar								30 Sep							
57	3.1.1.3.2	SP Proto. Construction	\$60,000																
58	3.1.1.3.2.1	SP Proto. Constr. Mana	\$20,000									1 Oct	3 Mar						
59	3.1.1.3.2.2	SP Proto. Components	\$20,000									1 Oct	3 Mar						
60	3.1.1.3.2.3	SP Proto. Boards	\$20,000									1 Oct	3 Mar						
61	3.1.1.3.3	SP Proto. Test	\$20,000									6 Mar	21 Jul						
62	3.1.1.3.4	SP ASIC and Board Design	\$80,000									24 Jul	4 Mar						
63	3.1.1.3.5	SP Active Components	\$187,200									5 Mar	13 May						
64	3.1.1.3.6	SP Boards	\$57,360																
65	3.1.1.3.6.1	SP Constr. Manage	\$15,000									5 Mar	30 Sep						
66	3.1.1.3.6.2	SP Board Setup	\$1,440									5 Mar	13 May						
67	3.1.1.3.6.3	SP Board Fabrication	\$10,800									14 May	22 Jul						
68	3.1.1.3.6.4	SP Board Assembly	\$10,800									23 Jul	30 Sep						
69	3.1.1.3.6.5	SP Connectors-copper	\$2,160									5 Mar	13 May						

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				Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
70	3.1.1.3.6.6	SP Misc components	\$2,160									5 Mar	13 May				
71	3.1.1.3.6.7	SP Inspection and test	\$15,000									1 Oct	4 Mar				
72	3.1.1.3.7	SP Installation	\$10,000									5 Mar	22 Jul				
73	3.1.1.3.8	SP Spares	\$33,000									14 May	30 Sep				
74	3.1.1.4	Clock&Control Cards (CCC)	\$169,020														
75	3.1.1.4.1	CCC Board Design	\$50,000					24 Jul					22 Jul				
76	3.1.1.4.2	CCC Active Components	\$62,400									23 Jul	13 May				
77	3.1.1.4.3	CCC Boards	\$31,620														
78	3.1.1.4.3.1	CCC Prod. Manage	\$15,000									23 Jul	4 Mar				
79	3.1.1.4.3.2	CCC Setup and tooling	\$480									23 Jul	30 Sep				
80	3.1.1.4.3.3	CCC Boards	\$3,600									1 Oct	9 Dec				
81	3.1.1.4.3.4	CCC Board assembly	\$3,600									10 Dec	4 Mar				
82	3.1.1.4.3.5	CCC Connectors-coppe	\$720									23 Jul	30 Sep				
83	3.1.1.4.3.6	CCC Misc components	\$720									23 Jul	30 Sep				
84	3.1.1.4.3.7	CCC Inspection and tes	\$7,500										5 Mar	13 May			
85	3.1.1.4.4	CCC Installation	\$10,000										14 May	30 Sep			
86	3.1.1.4.5	CCC Spares	\$15,000									23 Jul	30 Sep				
87	3.1.1.5	Crate Monitor Cards	\$26,000									5 Mar	22 Jul				
88	3.1.1.6	Muon Backplanes	\$97,000														
89	3.1.1.6.1	Muon Backplane Design	\$45,000					24 Jul					13 May				
90	3.1.1.6.2	Muon Backplane Procure	\$52,000									14 May	30 Sep				
91	3.1.1.7	Muon Crates	\$15,000									5 Mar	22 Jul				
92	3.1.1.8	Muon Power Supplies	\$50,000									5 Mar	22 Jul				

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				Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
93	3.1.1.9	Muon Tracker Cables	\$4,800									5 Mar		22 Jul			
94	3.1.1.10	Trigger System Tests	\$40,000											1 Oct			21
95	3.1.1.11	Trigger Project Management	\$0														
96	3.1.1.11.1	Tracking & Reporting	\$0														