

CDF Runlib Calorimeter Schedule

WBS	Name	Cost	U.S. R&D	M&S	M&S - Cont.	Labor	Labor - Cont.	G&A	G&A - Cont.	Japan	Italy	Fixed Cost
1.2.1.9.2	Phototube Testing Year 2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.9.3	Phototube Testing Year 3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.9.4	Detector Testing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10	Level 3 Milestones	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.1	First phototube order placed	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.2	1st WLS fiber holder finished	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.3	1st CPR module finished and tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.4	1st CCR module finished and tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.5	First set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.6	50% CPR Detectors Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.7	50% CCR Detectors Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.8	Second set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.9	Final CPR Detector Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.10	Final CCR Detector Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.11	Final set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.10.12	End of Central Preshower Project	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11	Level 2 Milestones	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.1	First phototube order placed	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.2	1st WLS fiber holder finished	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.3	1st CPR module finished and tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.4	1st CCR module finished and tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.5	First set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.6	50% CPR Detectors Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.7	50% CCR Detectors Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.8	Second set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.9	Final CPR Detector Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.10	Final CCR Detector Tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.11	Final set of phototubes tested	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.1.11.12	End of Central Preshower Project	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2	Electromagnetic timing	\$265,335.00	\$312.00	\$239,751.00	\$63,033.30	\$25,584.00	\$12,792.00	\$7,427.47	\$14,815.41	\$0.00	\$122,066.00	\$0.00
1.2.2.1	Research and Development	\$12,936.00	\$312.00	\$12,624.00	\$3,912.00	\$312.00	\$156.00	\$199.68	\$737.04	\$0.00	\$10,000.00	\$0.00
1.2.2.1.1	Procure parts for splitters & cable prototypes, misc test stand	\$2,000.00	\$0.00	\$2,000.00	\$600.00	\$0.00	\$0.00	\$0.00	\$106.20	\$0.00	\$0.00	\$0.00
1.2.2.1.2	Assemble Splitter Prototype	\$624.00	\$0.00	\$624.00	\$312.00	\$0.00	\$0.00	\$110.45	\$55.22	\$0.00	\$0.00	\$0.00
1.2.2.1.3	Assemble PEM harness prototype	\$312.00	\$312.00	\$0.00	\$0.00	\$312.00	\$156.00	\$89.23	\$44.62	\$0.00	\$0.00	\$0.00
1.2.2.1.4	Tests to finalize CEM Splitter	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.1.5	Tests to finalize PEM Harness	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.1.6	Tests to finalize ASD->TDC cables	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.1.7	Build ASD/TB Prototypes and test	\$10,000.00	\$0.00	\$10,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00	\$531.00	\$0.00	\$10,000.00	\$0.00
1.2.2.1.8	Prototype ASD tests with CEM Splitter, TDC cable, and TDC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.1.9	Assembly of wedge test stand	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.1.10	Wedge test using all components	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.2	Purchase parts for components and Produce	\$252,399.00	\$0.00	\$227,127.00	\$59,121.30	\$25,272.00	\$12,636.00	\$7,227.79	\$14,078.37	\$0.00	\$112,066.00	\$0.00
1.2.2.2.1	CEM Splitter	\$43,846.00	\$0.00	\$27,934.00	\$8,380.20	\$15,912.00	\$7,956.00	\$4,550.83	\$3,758.71	\$0.00	\$0.00	\$0.00
1.2.2.2.1.1	Procure Splitter parts	\$27,934.00	\$0.00	\$27,934.00	\$8,380.20	\$0.00	\$0.00	\$0.00	\$1,483.30	\$0.00	\$0.00	\$0.00
1.2.2.2.1.2	Build Splitters	\$15,912.00	\$0.00	\$0.00	\$0.00	\$15,912.00	\$7,956.00	\$4,550.83	\$2,275.42	\$0.00	\$0.00	\$0.00
1.2.2.2.1.3	Test CEM Splitter Cables	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1.2.2.2.2	PEM Cable Harness	\$23,887.00	\$0.00	\$14,527.00	\$4,358.10	\$9,360.00	\$4,680.00	\$2,676.96	\$2,109.86	\$0.00	\$0.00	\$0.00
1.2.2.2.2.1	Procure PEM Harness Parts	\$14,527.00	\$0.00	\$14,527.00	\$4,358.10	\$0.00	\$0.00	\$0.00	\$771.38	\$0.00	\$0.00	\$0.00

