

Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
1547080	Cables - Coax Signal Start Counter	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$2,000.00	\$2,000.00	\$0.00	21.80									
1547085	Cables - LV BCAL	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$3,600.00	\$3,600.00	\$0.00	60.40									
1547090	Cables - Bias BCAL	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$5,400.00	\$5,400.00	\$0.00	62.00									
1547095	Cables - Coax Signal BCAL	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$96,000.00	\$96,000.00	\$0.00	32.40									
1547100	Cables - Coax HV TOF	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$12,600.00	\$12,600.00	\$0.00	81.60									
1547105	Cables - Coax Signal TOF	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$8,400.00	\$8,400.00	\$0.00	81.40									
1547110	Cables - Coax Signal FCAL	03-Jan-12 0...	18-May-1...	19.40	\$0.00	0.00	\$55,000.00	\$55,000.00	\$0.00	45.00									
1547115	Cables - HV Label and Bundle Tagger/Hodoscope	21-May-12 ...	15-Jun-12...	3.60	\$3,421.60	2.00	\$0.00	\$3,421.60	\$0.00	83.00									
1547120	Cables - Signal Label and Bundle Tagger/Hodoscope	21-May-12 ...	15-Jun-12...	3.60	\$3,421.60	2.00	\$0.00	\$3,421.60	\$0.00	77.80									
1547125	Cables - HV Label and Bundle Pair Spectrometer	18-Jun-12 0...	29-Jun-12...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	83.80									
1547130	Cables - Signal Label and Bundle Pair Spectrometer	20-Aug-12 0...	31-Aug-1...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	74.80									
1547135	Cables - HV Label and Bundle Start Counter	09-Jul-12 08...	20-Jul-12 ...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	39.20									
1547140	Cables - Signal Label and Bundle Start Counter	04-Sep-12 0...	14-Sep-1...	1.80	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	21.80									
1547145	Cables - LV Label and Bundle CDC	17-Sep-12 0...	28-Sep-1...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	27.40									
1547150	Cables - HV Label and Bundle CDC	23-Jul-12 08...	03-Aug-1...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	39.20									
1547155	Cables - Signal Label and Bundle CDC	17-Sep-12 0...	12-Oct-12...	4.00	\$3,421.60	2.00	\$0.00	\$3,421.60	\$0.00	21.80									
1547160	Cables - LV Label and Bundle FDC	01-Oct-12 0...	09-Nov-1...	6.00	\$5,132.40	3.00	\$0.00	\$5,132.40	\$0.00	27.40									
1547165	Cables - HV Label and Bundle FDC	06-Aug-12 0...	17-Aug-1...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	39.20									
1547170	Cables - Signal Label and Bundle FDC	15-Oct-12 0...	21-Dec-1...	9.60	\$8,554.00	5.00	\$0.00	\$8,554.00	\$0.00	21.80									
1547175	Cables - LV Label and Bundle BCAL	12-Nov-12 0...	21-Nov-1...	1.60	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	36.00									
1547180	Cables - Bias Label and Bundle BCAL	26-Nov-12 0...	07-Dec-1...	2.00	\$1,710.80	1.00	\$0.00	\$1,710.80	\$0.00	36.00									
1547185	Cables - Signal Label and Bundle BCAL	21-May-12 ...	21-Dec-1...	30.00	\$27,372.80	16.00	\$0.00	\$27,372.80	\$0.00	32.40									
1547190	Cables - HV Label and Bundle TOF	20-Aug-12 0...	14-Sep-1...	3.80	\$3,421.60	2.00	\$0.00	\$3,421.60	\$0.00	69.00									
1547195	Cables - Signal Label and Bundle TOF	18-Jun-12 0...	13-Jul-12 ...	4.00	\$3,421.60	2.00	\$0.00	\$3,421.60	\$0.00	77.80									
1547200	Cables - Signal Label and Bundle FCAL	21-May-12 ...	05-Oct-12...	19.40	\$17,108.00	10.00	\$0.00	\$17,108.00	\$0.00	45.00									
1.5.4.8 FULL CRATE CHECKS		06-Jun-12 0...	20-Jun-13...	52.00	\$35,578.40	19.00	\$0.00	\$35,578.40	\$0.00	23.80									
1548010	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	03-Dec-12 0...	21-Dec-1...	3.00	\$4,789.20	2.50	\$0.00	\$4,789.20	\$0.00	44.80									
1548015	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	18-Apr-13 0...	08-May-1...	3.00	\$9,921.60	5.50	\$0.00	\$9,921.60	\$0.00	17.80									
1548020	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	14-Feb-13 0...	20-Mar-13...	4.80	\$6,500.00	3.50	\$0.00	\$6,500.00	\$0.00	36.80									
1548025	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	23-May-13 ...	20-Jun-13...	4.00	\$4,789.20	2.50	\$0.00	\$4,789.20	\$0.00	20.80									
1548030	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	06-Jun-12 0...	03-Jul-12 ...	4.00	\$4,789.20	2.50	\$0.00	\$4,789.20	\$0.00	68.80									
1548035	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&La...	06-Aug-12 0...	31-Aug-1...	4.00	\$4,789.20	2.50	\$0.00	\$4,789.20	\$0.00	63.20									
1.5.5 BEAMLINE		01-Apr-09 0...	20-Dec-1...	235.20	\$1,450,503.58	1225.60	\$2,545,797.10	\$4,018,655.78	\$22,355.10	19.80									
1.5.5.1 TAGGER		01-Apr-09 0...	20-Dec-1...	235.20	\$762,224.32	859.40	\$1,707,376.55	\$2,488,355.76	\$18,754.89	19.00									
1.5.5.1.1 TAGGING MAGNET		01-Apr-09 0...	03-Dec-1...	183.00	\$456,214.32	386.40	\$1,340,181.72	\$1,813,436.57	\$17,040.53	71.20									
15511002	Prepare Procurements/Fabrication Packages 2010 ((TAGGING Mag)	01-Oct-09 0...	29-Sep-1...	49.40	\$39,992.40	18.00	\$0.00	\$39,992.40	\$0.00	48.40									
15511003	Evaluate Procurements 2010 (TAGGING Mag)	05-Jan-11 0...	26-Aug-1...	32.80	\$12,739.20	5.00	\$0.00	\$12,739.20	\$0.00	48.40									
15511004	Engineering Support for Magnet Acceptance 2012 (TAGGING M...	03-Oct-11 0...	13-Dec-1...	10.00	\$9,170.40	4.00	\$0.00	\$9,170.40	\$0.00	92.40									
15511004a	Engineering Support for Component Procurements FY11 (TAGGI...	04-Jan-11 0...	30-Sep-1...	37.80	\$36,681.60	16.00	\$0.00	\$36,681.60	\$0.00	56.80									
15511004b	Engineering Support for Component Procurements FY12 (TAGGI...	03-Oct-11 0...	31-Aug-1...	45.60	\$20,042.40	8.00	\$0.00	\$20,042.40	\$0.00	56.80									
15511005	Drawings for Yoke Steel (TAGGING Mag)	01-Apr-10 0...	20-Sep-1...	24.00	\$46,413.60	43.00	\$0.00	\$46,413.60	\$0.00	61.00									
15511010	Drawings for Coils (TAGGING Mag)	01-Apr-10 0...	20-Aug-1...	20.00	\$55,231.20	65.00	\$0.00	\$55,231.20	\$0.00	61.00									
15511010E	FY10 Travel (TAGGING Mag)	01-Oct-09 0...	30-Sep-1...	49.60	\$0.00	0.00	\$0.00	\$6,074.08	\$6,074.08	29.40									
15511011E	FY11 Travel (TAGGING Mag)	01-Oct-10 0...	30-Sep-1...	49.60	\$0.00	0.00	\$0.00	\$6,267.84	\$6,267.84	29.40									
15511012E	FY12 Travel (TAGGING Mag)	03-Oct-11 0...	29-Jun-12...	36.60	\$0.00	0.00	\$0.00	\$4,698.61	\$4,698.61	29.40									
15511015	Drawings for Vac Chamb (TAGGING Mag)	01-Apr-10 0...	20-Sep-1...	24.00	\$55,231.20	65.00	\$0.00	\$55,231.20	\$0.00	61.00									
15511025	Dsgn Stnds for Mag (TAGGING Mag)	01-Apr-10 0...	24-Jun-10...	12.00	\$46,413.60	37.00	\$0.00	\$46,413.60	\$0.00	73.00									
15511030	Dsgn Supprt for Vac Chamb (TAGGING Mag)	01-Apr-10 0...	03-Sep-1...	22.00	\$46,413.60	37.00	\$0.00	\$46,413.60	\$0.00	63.00									
15511035	Dsgn Stnds for Quad (TAGGING Mag)	03-Oct-11 0...	20-Dec-1...	11.00	\$47,893.60	37.00	\$0.00	\$47,893.60	\$0.00	105.00									

— Primary Baseline
 — Remaining Work
 ◆ Baseline Milestone
█ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
15511040	Write Pwr Supply Spec (TAGGING Mag)	23-Aug-10 0...	27-Sep-1...	5.00	\$8,290.00	11.00	\$0.00	\$8,290.00	\$0.00	113.20									
15511045	EH&S Review of Dsgn before Constrctn (TAGGING Mag)	21-Sep-10 0...	27-Sep-1...	1.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	61.00									
15511050	Vend Fab Tagger Magnet Peg Point #1 Submit Foundry reports	15-Apr-11 0...	31-Oct-11...	27.80	\$0.00	0.00	\$442,539.61	\$442,539.61	\$0.00	34.40									
15511050a	Vend Fab Tagger Magnet Peg Point #2 Winding tooling complete...	15-Apr-11 0...	31-Oct-11...	27.80	\$0.00	0.00	\$45,296.00	\$45,296.00	\$0.00	34.40									
15511050b	Vend Fab Tagger Magnet Peg Point #3 Submit machining seque...	15-Apr-11 0...	30-Dec-1...	35.20	\$0.00	0.00	\$133,880.20	\$133,880.20	\$0.00	34.40									
15511050c	Vend Fab Tagger Magnet Peg Point #4 Twelve coil assemblies w...	15-Apr-11 0...	30-Dec-1...	35.20	\$0.00	0.00	\$78,454.23	\$78,454.23	\$0.00	34.40									
15511050d	Vend Fab Tagger Magnet Peg Point #5 Coil resin impregnation c...	15-Apr-11 0...	30-Mar-12...	47.60	\$0.00	0.00	\$102,401.33	\$102,401.33	\$0.00	34.40									
15511050f	Vend Fab Tagger Magnet Peg Point #6 Submit hydrostatic press...	15-Apr-11 0...	30-Apr-12...	51.80	\$0.00	0.00	\$5,023.33	\$5,023.33	\$0.00	34.40									
15511050g	Vend Fab Tagger Magnet Peg Point #7 Submit dimensional and ...	15-Apr-11 0...	31-May-1...	56.20	\$0.00	0.00	\$3,892.91	\$3,892.91	\$0.00	34.40									
15511050h	Vend Fab Tagger Magnet Peg Point #8 Submit coil dim. and elec...	15-Apr-11 0...	29-Jun-12...	60.20	\$0.00	0.00	\$0.00	\$0.00	\$0.00	34.40									
15511050j	Vend Fab Tagger Magnet Peg Point #9 Submit dimension inspec...	15-Apr-11 0...	31-Aug-1...	69.20	\$0.00	0.00	\$189,643.34	\$189,643.34	\$0.00	34.40									
15511050k	Vend Fab Tagger Magnet Peg Point #10 Magnet assembly comp...	15-Apr-11 0...	28-Sep-1...	73.00	\$0.00	0.00	\$89,559.87	\$89,559.87	\$0.00	34.40									
15511050n	Vend Fab Tagger Magnet Peg Point #11 Magnet components arr...	15-Apr-11 0...	30-Nov-1...	81.60	\$0.00	0.00	\$13,504.00	\$13,504.00	\$0.00	34.40									
15511060	Proc Vac Chamb (TAGGING Mag)	05-Jan-12 0...	28-Sep-1...	37.40	\$2,247.60	3.00	\$75,546.40	\$77,794.00	\$0.00	43.00									
15511065	Proc Pwr Supply (TAGGING Mag)	05-Mar-12 0...	28-Sep-1...	29.40	\$0.00	0.00	\$40,000.00	\$40,000.00	\$0.00	43.00									
15511070	Proc Quad (TAGGING Mag)	01-Apr-09 0...	16-Jul-09 ...	15.00	\$0.00	0.00	\$20,000.00	\$20,000.00	\$0.00	212.60									
15511071	Proc Quad Power Supply (TAGGING Mag)	07-May-12 ...	28-Sep-1...	20.40	\$0.00	0.00	\$5,324.09	\$5,324.09	\$0.00	73.80									
15511095	Proc, calibrate, Install NMR (TAGGING Mag)	02-Apr-12 0...	28-Sep-1...	25.40	\$22,969.92	32.40	\$36,610.45	\$59,580.37	\$0.00	54.20									
15511100	Proc Turbo Pumps (TAGGING Mag)	01-Oct-12 0...	26-Oct-12...	4.00	\$6,484.00	5.00	\$58,505.96	\$64,989.96	\$0.00	76.00									
15511105	Tagger Magnet Acceptance Test (TAGGING Mag)	03-Dec-12 0...	03-Dec-1...	0.20	\$0.00	0.00	\$0.00	\$0.00	\$0.00	34.40									
1.5.5.1.2 HODOSCOPE		03-Oct-11 0...	20-Dec-1...	110.40	\$306,010.00	473.00	\$367,194.83	\$674,919.19	\$1,714.36	5.20									
15512001	Prepare Procurements for Thin Window Test 2011 (HODOSCP)	05-Jan-12 0...	12-Mar-12...	9.20	\$14,606.40	6.00	\$0.00	\$14,606.40	\$0.00	50.40									
15512002	Engineering Support for Testing Thin Window (HODOSCP)	01-Nov-12 0...	14-Jan-13...	9.00	\$25,809.60	12.00	\$0.00	\$25,809.60	\$0.00	43.60									
15512003	Prepare Procurement/Fabrication Packages 2013 (HODOSCP)	03-Dec-12 0...	14-Jan-13...	5.00	\$23,091.60	11.00	\$0.00	\$23,091.60	\$0.00	43.60									
15512004	Prepare Procurement/Fabrication Packages 2012 (HODOSCP)	03-Oct-11 0...	28-Sep-1...	49.40	\$25,809.60	12.00	\$0.00	\$25,809.60	\$0.00	52.20									
15512005	Construct Hodoscope Supprt (HODOSCP)	04-May-12 ...	05-Jul-12 ...	8.60	\$40,939.20	35.00	\$22,676.72	\$63,615.92	\$0.00	44.20									
15512010	Fab & Test Counter Fixed Array (HODOSCP)	05-Jun-12 0...	28-Sep-1...	16.60	\$32,186.00	43.00	\$0.00	\$32,186.00	\$0.00	44.20									
15512012E	FY12 Travel (HODOSCP)	03-Oct-11 0...	28-Sep-1...	49.40	\$0.00	0.00	\$0.00	\$857.18	\$857.18	16.60									
15512013E	FY13 Travel (HODOSCP)	01-Oct-12 0...	30-Sep-1...	49.60	\$0.00	0.00	\$0.00	\$857.18	\$857.18	16.60									
15512020	AL Foil for Thin Window (HODOSCP)	05-Jan-12 0...	02-Feb-12...	4.00	\$0.00	0.00	\$1,564.70	\$1,564.70	\$0.00	43.60									
15512025	Frame & Vacuum System for Limit Test of Thin Window (HODOS...	30-Apr-12 0...	31-Oct-12...	26.00	\$0.00	0.00	\$22,676.72	\$22,676.72	\$0.00	43.60									
15512030	Test Window to limit (HODOSCP)	01-Nov-12 0...	14-Jan-13...	9.00	\$18,950.80	41.00	\$0.00	\$18,950.80	\$0.00	43.60									
15512035	Fab Final Thin Exit Window & AL Flange (HODOSCP)	15-Jan-13 0...	20-Mar-13...	9.00	\$0.00	0.00	\$22,676.72	\$22,676.72	\$0.00	43.60									
15512040	Proc Scintillator/Light Guide for Fixed Array (HODOSCP)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$7,871.09	\$7,871.09	\$0.00	55.60									
15512050	Proc PMTs for Fixed Array (HODOSCP)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$51,589.56	\$51,589.56	\$0.00	55.60									
15512055	Proc Dividers for Fixed Array (HODOSCP)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$30,636.26	\$30,636.26	\$0.00	55.60									
15512085	Install Cable Det & Cal-System & Test Both (HODOSCP)	01-Oct-12 0...	15-Mar-13...	22.00	\$28,877.20	99.00	\$0.00	\$28,877.20	\$0.00	44.20									
15512100	Proc Fibers for Microscope (HODOSCP)	03-Oct-11 0...	13-Apr-12...	26.00	\$0.00	0.00	\$11,905.28	\$11,905.28	\$0.00	32.60									
15512110	Proc SIPMs for Microscope (HODOSCP)	02-Dec-11 0...	14-Jun-12...	26.00	\$0.00	0.00	\$136,060.38	\$136,060.38	\$0.00	24.20									
15512120	Proc Cables for Microscope (HODOSCP)	03-Oct-11 0...	13-Apr-12...	26.00	\$0.00	0.00	\$884.39	\$884.39	\$0.00	32.60									
15512126	Proc Epoxy, Tooling & Cables (HODOSCP)	05-Jan-12 0...	02-Mar-12...	8.00	\$0.00	0.00	\$1,299.38	\$1,299.38	\$0.00	38.60									
15512127	Design & Build Light Tight Housing (HODOSCP)	04-May-12 ...	05-Jul-12 ...	8.60	\$20,539.20	11.00	\$927.48	\$21,466.68	\$0.00	5.20									
15512128	Build Light Tight Housing & Preamp-card Carrier (HODOSCP)	06-Jul-12 08...	28-Sep-1...	12.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	5.20									
15512130	Fab Counters Microscope (HODOSCP)	15-Jun-12 0...	03-May-1...	44.00	\$26,470.40	64.00	\$0.00	\$26,470.40	\$0.00	24.20									
15512136	Design & Layout Preamp Cards (HODOSCP)	03-Oct-11 0...	25-May-1...	32.00	\$0.00	32.00	\$0.00	\$0.00	\$0.00	22.60									
15512137	Manufacture Base/Preamp Board (HODOSCP)	01-Oct-12 0...	15-Mar-13...	22.00	\$0.00	0.00	\$24,365.02	\$24,365.02	\$0.00	5.20									
15512138	Proc Detector Support Components (HODOSCP)	18-Mar-13 0...	12-Apr-13...	4.00	\$0.00	0.00	\$5,669.19	\$5,669.19	\$0.00	5.20									
15512139	Build Detector Support Frame (HODOSCP)	15-Apr-13 0...	18-Sep-1...	22.00	\$6,617.60	40.00	\$0.00	\$6,617.60	\$0.00	5.20									
15512140	Mount Microscope onto Supprt Frame (HODOSCP)	19-Sep-13 0...	06-Dec-1...	11.00	\$18,950.80	11.00	\$0.00	\$18,950.80	\$0.00	5.20									

— Primary Baseline — Remaining Work ◆ Baseline Milestone
— Actual Work — Critical Remaining Work ◆ Milestone

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15512145	Cable up Detector in Tagger Hall, Test (HODOSCP)	14-Jun-13 0...	17-Sep-1...	13.20	\$9,926.40	24.00	\$0.00	\$9,926.40	\$0.00	18.40									
15512150	Purchase parts for Calibration (HODOSCP)	05-Jan-12 0...	06-Apr-12...	13.00	\$0.00	0.00	\$21,250.00	\$21,250.00	\$0.00	68.60									
15512155	Assemble & Test Calibration Sys (HODOSCP)	09-Apr-12 0...	12-Sep-1...	22.00	\$13,235.20	32.00	\$0.00	\$13,235.20	\$0.00	68.60									
15512165	Ship Detectors to JLab (HODOSCP)	09-Dec-13 0...	20-Dec-1...	2.00	\$0.00	0.00	\$2,834.59	\$2,834.59	\$0.00	5.20									
15512170	Purchase Power Supply for DAC Chips (HODOSCP)	05-Jan-12 0...	19-Jan-12...	2.00	\$0.00	0.00	\$2,307.35	\$2,307.35	\$0.00	18.40									
1.5.5.2 TARGET		01-Apr-11 0...	08-Apr-13...	100.20	\$236,290.80	115.00	\$279,350.72	\$515,641.52	\$0.00	55.40									
1552001	Prepare Procurements/Fabrication Packages 2012 (TARGET)	01-Apr-11 0...	30-Sep-1...	25.60	\$18,340.80	8.00	\$0.00	\$18,340.80	\$0.00	56.20									
1552002	Evaluate Procurements 2012 (TARGET)	10-May-11 ...	10-May-1...	50.00	\$7,303.20	3.00	\$0.00	\$7,303.20	\$0.00	56.20									
1552003	FY12 Engineering Support for Assembly (TARGET)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$38,714.40	18.00	\$0.00	\$38,714.40	\$0.00	54.00									
1552004	Develop gas handling system	01-Apr-11 0...	01-Sep-1...	21.60	\$43,284.00	20.00	\$0.00	\$43,284.00	\$0.00	78.00									
1552005	Proc Gas Handling Sys (TARGET)	16-Feb-12 0...	20-Aug-1...	26.00	\$0.00	0.00	\$27,212.07	\$27,212.07	\$0.00	56.20									
1552010	Proc Controls (TARGET)	05-Mar-12 0...	06-Aug-1...	21.80	\$0.00	0.00	\$58,959.51	\$58,959.51	\$0.00	56.20									
1552015	Fab Isolation Vac Pumping Sys (TARGET)	05-Jun-12 0...	28-Sep-1...	16.60	\$0.00	0.00	\$26,078.25	\$26,078.25	\$0.00	54.60									
1552018	Fab Outer Vac/Scattering Chamb (TARGET) Labor	05-Jan-12 0...	10-Jul-12 ...	26.00	\$13,054.80	7.00	\$0.00	\$13,054.80	\$0.00	54.00									
1552020	Fab Outer Vac/Scattering Chamb (TARGET)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$10,204.53	\$10,204.53	\$0.00	54.00									
1552023	Fab Target Cells (TARGET) Labor	05-Jan-12 0...	10-Jul-12 ...	26.00	\$10,336.80	6.00	\$0.00	\$10,336.80	\$0.00	54.00									
1552025	Fab Target Cells (TARGET)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$11,338.37	\$11,338.37	\$0.00	54.00									
1552027	Burst test target cell	05-Mar-12 0...	05-Jun-12...	13.00	\$12,327.20	6.00	\$0.00	\$12,327.20	\$0.00	59.00									
1552028	Prepare Procurements/Fabrication Packages solid target (TARG...	01-Oct-12 0...	07-Jan-13...	12.60	\$10,336.80	6.00	\$0.00	\$10,336.80	\$0.00	55.40									
1552028a	Fabricate solid target (proc)	08-Jan-13 0...	08-Apr-13...	12.60	\$0.00	0.00	\$20,000.00	\$20,000.00	\$0.00	55.40									
1552028b	Fabricate solid target (labor)	08-Jan-13 0...	08-Apr-13...	12.60	\$18,367.60	10.00	\$0.00	\$18,367.60	\$0.00	55.40									
1552030	Proc Liquid Helium refrigerator (TARGET)	03-Oct-11 0...	02-Feb-12...	16.00	\$0.00	0.00	\$55,000.00	\$55,000.00	\$0.00	76.00									
1552032	Develop cryo system design	01-Jun-11 0...	30-Sep-1...	17.20	\$43,284.00	20.00	\$0.00	\$43,284.00	\$0.00	79.80									
1552033	Procure heat chngnr and cryo hardware	05-Jan-12 0...	02-Apr-12...	12.20	\$0.00	0.00	\$15,000.00	\$15,000.00	\$0.00	67.80									
1552035	Fab Positioning/Mounting Sys (TARGET)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$55,557.99	\$55,557.99	\$0.00	54.00									
1552040	Assemble Target (TARGET)	11-Jul-12 08...	22-Jan-13...	26.00	\$20,941.20	11.00	\$0.00	\$20,941.20	\$0.00	54.00									
1552045	Program controls	01-Oct-12 0...	22-Jan-13...	14.60	\$0.00	0.00	\$0.00	\$0.00	\$0.00	58.00									
1.5.5.3 BEAMLINE COMPONENTS		01-Oct-09 0...	30-Sep-1...	198.20	\$451,988.44	251.20	\$559,069.83	\$1,014,658.47	\$3,600.20	30.40									
1553001	Engineering Support for Obtaining/Tstng Pair Spectrmr Mag (BL ...	01-Oct-10 0...	11-Jan-11...	13.00	\$16,639.20	8.00	\$0.00	\$16,639.20	\$0.00	162.00									
1553001a	Prepare Procurements Packages 2011 (BL Compnts)	05-Jan-11 0...	30-Sep-1...	37.60	\$25,809.60	12.00	\$0.00	\$25,809.60	\$0.00	72.00									
1553002	Prepare Procurements Packages 2012 (BL Compnts)	01-Feb-12 0...	10-Jul-12 ...	22.40	\$38,714.40	18.00	\$0.00	\$38,714.40	\$0.00	56.40									
1553005	Proc Radiator Diamond Crystals (BL Compnts)	03-Feb-12 0...	31-Jul-12 ...	25.00	\$0.00	0.00	\$69,039.30	\$69,039.30	\$0.00	59.60									
1553010	Qualify Diamond Radiators (BL Compnts)	06-Jul-12 08...	28-Sep-1...	12.00	\$54,744.00	20.00	\$0.00	\$54,744.00	\$0.00	59.60									
1553010E	FY10 Travel (BL Compnts)	01-Oct-09 0...	30-Sep-1...	49.60	\$0.00	0.00	\$879.02	\$879.02	\$879.02	20.40									
1553011	Mounting & Test of Radiator (BL Compnts)	01-Oct-12 0...	05-Mar-13...	20.40	\$4,804.60	2.50	\$0.00	\$4,804.60	\$0.00	59.60									
1553011E	FY11 Travel (BL Compnts)	01-Oct-10 0...	30-Sep-1...	49.60	\$0.00	0.00	\$907.06	\$907.06	\$907.06	20.40									
1553012E	FY12 Travel (BL Compnts)	03-Oct-11 0...	28-Sep-1...	49.40	\$0.00	0.00	\$907.06	\$907.06	\$907.06	20.40									
1553013E	FY13 Travel (BL Compnts)	01-Oct-12 0...	30-Sep-1...	49.60	\$0.00	0.00	\$907.06	\$907.06	\$907.06	20.40									
1553015	Proc Goniometer (BL Compnts)	06-Apr-12 0...	28-Sep-1...	24.60	\$0.00	0.00	\$158,737.12	\$158,737.12	\$0.00	45.00									
1553016	Build Vacuum Housing for Goniometer (BL Compnts)	01-Oct-12 0...	15-Mar-13...	22.00	\$0.00	0.00	\$22,676.72	\$22,676.72	\$0.00	45.00									
1553020	Write Control Software for Goniometer (BL Compnts)	01-Oct-12 0...	04-Jan-13...	12.40	\$24,634.80	9.00	\$0.00	\$24,634.80	\$0.00	54.60									
1553025	Check Operation of Goniometer (BL Compnts)	18-Mar-13 0...	17-Jun-13...	13.00	\$30,109.20	11.00	\$0.00	\$30,109.20	\$0.00	45.00									
1553030	Obtain Surplus Mag (BL Compnts)	01-Oct-10 0...	11-Jan-11...	13.00	\$10,948.80	4.00	\$0.00	\$10,948.80	\$0.00	162.00									
1553031	Develop magnet gap modification	01-Aug-11 0...	30-Sep-1...	8.80	\$36,681.60	16.00	\$0.00	\$36,681.60	\$0.00	96.20									
1553032	Fabricate magnet gap modification	03-Oct-11 0...	03-Feb-12...	16.20	\$0.00	0.00	\$12,000.00	\$12,000.00	\$0.00	96.20									
1553033	Install magnet gap modification	06-Feb-12 0...	07-May-1...	13.00	\$21,085.60	11.00	\$0.00	\$21,085.60	\$0.00	96.20									
1553035	Proc Pair Spectrometer Mag Pwr Supply (BL Compnts)	05-Jan-12 0...	10-Oct-12...	39.00	\$0.00	0.00	\$46,804.78	\$46,804.78	\$0.00	74.40									
1553036	Build Pair Spectrometer Vacuum Box Labor (BL Compnts) Labor	28-Feb-12 0...	18-May-1...	11.80	\$17,228.00	10.00	\$0.00	\$17,228.00	\$0.00	82.40									
1553038	Build Pair Spectrometer Vacuum Box (BL Compnts)	28-Feb-12 0...	18-May-1...	11.80	\$0.00	0.00	\$8,900.00	\$8,900.00	\$0.00	82.40									

— Primary Baseline — Remaining Work ◆ Baseline Milestone
█ Actual Work █ Critical Remaining Work ◆ Milestone

Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
1553040	Proc Pair Spectrometer Detctr's (BL Compnts)	05-Jan-12 0...	07-Aug-1...	30.00	\$0.00	0.00	\$54,991.07	\$54,991.07	\$0.00	71.40									
1553045	Manufacture, Mount and Test Pair Spectrometer Detctr's (BL Co...	08-Aug-12 0...	31-Oct-12...	12.00	\$42,310.00	21.00	\$0.00	\$42,310.00	\$0.00	71.40									
1553048	Proc Pair convertor (BL Compnts) Labor	05-Jan-12 0...	10-Jul-12 ...	26.00	\$16,639.20	8.00	\$0.00	\$16,639.20	\$0.00	69.00									
1553050	Proc Pair convertor (BL Compnts)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$13,606.03	\$13,606.03	\$0.00	69.00									
1553055	Assemble and Test Pair convertor (BL Compnts)	11-Jul-12 08...	21-Sep-1...	10.40	\$47,168.00	20.00	\$0.00	\$47,168.00	\$0.00	69.00									
1553060	Proc Roughing Pump (BL Compnts)	01-Oct-12 0...	12-Apr-13...	26.00	\$0.00	0.00	\$5,669.19	\$5,669.19	\$0.00	54.00									
1553065	Proc Active Collimator Compnts (BL Compnts)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$11,338.37	\$11,338.37	\$0.00	52.40									
1553070	Assemble Active Collimator (BL Compnts)	11-Jul-12 08...	22-Jan-13...	26.00	\$6,617.60	16.00	\$0.00	\$6,617.60	\$0.00	52.40									
1553072	Program & test Collimator Table (BL Components)	11-Jul-12 08...	14-Dec-1...	22.00	\$13,469.04	11.70	\$0.00	\$13,469.04	\$0.00	56.40									
1553075	Test Active Collimator (BL Compnts)	23-Jan-13 0...	24-Apr-13...	13.00	\$6,617.60	32.00	\$0.00	\$6,617.60	\$0.00	52.40									
1553080	Proc Passive Collimator Sys (BL Compnts)	05-Jan-12 0...	10-Jul-12 ...	26.00	\$0.00	0.00	\$68,030.19	\$68,030.19	\$0.00	56.40									
1553085	Design Primary Collimator Support (BL Compnts)	05-Jan-12 0...	23-Mar-12...	11.00	\$20,539.20	11.00	\$0.00	\$20,539.20	\$0.00	59.40									
1553090	Fabricate Collimator Support (BL Compnts)	26-Mar-12 0...	18-May-1...	8.00	\$0.00	0.00	\$17,007.55	\$17,007.55	\$0.00	59.40									
1553095	Purchase Lead for Cave Exit Wall (BL Compnts)	07-May-12 ...	03-Aug-1...	12.60	\$0.00	0.00	\$56,691.82	\$56,691.82	\$0.00	81.80									
1553100	Prepare Environment for Sweep Magnets (BL Compnts)	18-Mar-11 0...	26-May-1...	10.00	\$17,228.00	10.00	\$0.00	\$17,228.00	\$0.00	130.80									
1553105	Purchase Slow Control Crate (BL Compnts)	06-Jun-12 0...	05-Sep-1...	13.00	\$0.00	0.00	\$13,577.69	\$13,577.69	\$0.00	58.00									
1.5.6 INFRASTRUCTURE		01-Jun-09 0...	08-Apr-14...	240.60	\$2,354,464.59	1184.73	\$1,250,272.53	\$3,743,437.08	\$138,699.97	19.40									
1.5.6.1 ASSEMBLY		11-Feb-10 0...	15-Jul-13 ...	170.20	\$268,925.51	135.38	\$150,049.68	\$445,920.95	\$26,945.77	24.20									
1561040M	Delivery Complete for CDC (Assy)	05-Apr-13 0...		0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	11.60									
1561050M	Complete FDC (Assy)	01-Feb-13 0...		0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	9.40									
1561060M	Delivery Complete for TOF (Assy)	03-Jun-13 0...		0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	24.20									
1561065	Receive Modules 1-4 (Assy)	11-Feb-10 0...	18-Feb-10...	1.00	\$1,464.27	0.80	\$2,417.33	\$6,079.17	\$2,197.58	182.40									
1561070	Receive Modules 5-8 (Assy)	28-Apr-10 0...	04-May-1...	1.00	\$1,464.27	0.80	\$2,417.33	\$6,079.17	\$2,197.58	171.80									
1561075	Receive Modules 9-12 (Assy)	13-Jul-10 08...	19-Jul-10 ...	1.00	\$1,464.27	0.80	\$2,417.33	\$6,079.17	\$2,197.58	161.40									
1561080	Receive Modules 13-16 (Assy) FY10	27-Sep-10 0...	30-Sep-1...	0.80	\$1,171.25	0.64	\$0.00	\$2,929.31	\$1,758.06	150.80									
1561080a	Receive Modules 13-16 (Assy) FY11	01-Oct-10 0...	01-Oct-10...	0.20	\$302.27	0.16	\$0.00	\$755.81	\$453.54	150.80									
1561080b	Receive Modules 13-16 (Assy) Procurement	27-Sep-10 0...	01-Oct-10...	1.00	\$0.00	0.00	\$2,417.33	\$2,417.33	\$0.00	150.80									
1561085	Receive Modules 17-20 (Assy)	30-Dec-10 0...	06-Jan-11...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	138.60									
1561090	Receive Modules 21-24 (Assy)	24-Feb-11 0...	02-Mar-11...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	131.20									
1561095	Receive Modules 25-28 (Assy)	11-May-11 ...	17-May-1...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	120.40									
1561100	Receive Modules 29-32 (Assy)	26-Jul-11 08...	01-Aug-11...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	110.00									
1561101	Receive Modules 33-36 (Assy)	10-Oct-11 0...	14-Oct-11...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	99.40									
1561102	Receive Modules 37-40 (Assy)	29-Dec-11 0...	05-Jan-12...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	89.20									
1561103	Receive Modules 41-44 (Assy)	08-Mar-12 0...	14-Mar-12...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	79.80									
1561104	Receive Modules 45-48 (Assy)	23-May-12 ...	30-May-1...	1.00	\$1,510.93	0.80	\$2,494.44	\$6,273.05	\$2,267.68	69.00									
1561105	Prep Modules for Installtn (Assy)	21-Aug-12 0...	18-Sep-1...	4.00	\$38,602.40	21.00	\$3,401.50	\$42,003.90	\$0.00	57.60									
1561110	Receive CDC (Assy)	05-Apr-13 0...	18-Apr-13...	2.00	\$30,784.00	15.00	\$2,494.44	\$33,278.44	\$0.00	11.60									
1561115	Mounting CDC (Assy)	19-Apr-13 0...	16-May-1...	4.00	\$12,327.20	6.00	\$28,345.91	\$40,673.11	\$0.00	11.60									
1561120	Alignment CDC (Assy)	17-May-13 ...	14-Jun-13...	4.00	\$28,100.00	14.00	\$0.00	\$28,100.00	\$0.00	11.60									
1561125	Operational Checks CDC (outside Solenoid) (Assy)	17-Jun-13 0...	15-Jul-13 ...	4.00	\$39,338.00	20.00	\$0.00	\$39,338.00	\$0.00	11.60									
1561140	Receive FDC (Assy)	20-Feb-13 0...	05-Mar-13...	2.00	\$19,218.40	10.00	\$0.00	\$19,218.40	\$0.00	7.00									
1561145	Rail Mounting for FDC (Assy)	06-Mar-13 0...	19-Mar-13...	2.00	\$25,402.32	10.68	\$30,625.00	\$56,027.32	\$0.00	7.00									
1561155	Assemble BCal Wedges (Assy)	03-Dec-12 0...	07-Jan-13...	4.00	\$29,822.80	15.00	\$45,353.46	\$75,176.26	\$0.00	47.40									
1561160	Receive TOF Detector Units (Assy)	03-Jun-13 0...	14-Jun-13...	2.00	\$3,081.80	1.50	\$0.00	\$3,081.80	\$0.00	24.20									
1561165	Mount TOF Counters onto Detector Frame (Assy)	17-Jun-13 0...	15-Jul-13 ...	4.00	\$24,294.80	12.60	\$10,204.53	\$34,499.33	\$0.00	24.20									
1.5.6.2 INSTALLATION		01-Jun-09 0...	08-Apr-14...	240.60	\$2,062,673.88	1035.85	\$1,100,222.85	\$3,274,650.93	\$111,754.20	19.40									
1562001LOE	FY09 Work Coordinator (Installtn)	01-Jun-09 0...	30-Sep-0...	17.20	\$20,419.20	8.00	\$0.00	\$20,419.20	\$0.00	5.40									
1562002LOE	FY10 Work Coordinator (Installtn)	01-Oct-09 0...	30-Sep-1...	49.60	\$115,896.00	44.00	\$0.00	\$115,896.00	\$0.00	5.40									
1562003LOE	FY11 Work Coordinator (Installtn)	01-Oct-10 0...	30-Sep-1...	49.60	\$119,592.00	44.00	\$0.00	\$119,592.00	\$0.00	5.40									

Primary Baseline Remaining Work Baseline Milestone
 Actual Work Critical Remaining Work Milestone