

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	FY2013				FY2014				FY2015				FY2016			
											Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr
15212002a	FY10 Engineering Support for Straw Tube Install (CENT CHAMB) FY11	01-Oct-10	25-Jan-11	14.8	\$3,673	1.7	\$0	\$3,673	\$0	73.4																
15212003	FY11 Engineering Support for Assembly Initial (CENT CHAMB)	01-Oct-10	31-Dec-10	11.8	\$2,504	1.3	\$0	\$2,504	\$0	59.4																
15212003a	FY11 Engineering Support for Assembly Final (CENT CHAMB)	04-Jan-11	30-Sep-11	37.8	\$50,826	24.0	\$0	\$50,826	\$0	59.4																
15212004	FY12 Engineering Support for Assembly (CENT CHAMB)	03-Oct-11	28-Sep-12	49.4	\$42,814	19.0	\$0	\$42,814	\$0	20.6																
15212004a	FY13 Engineering Support for Assembly (CENT CHAMB)	01-Oct-12	01-May-13	28.6	\$32,251	13.0	\$0	\$32,251	\$0	20.6																
15212005	Proc Straws (CENT CHAMB)	05-Jan-09	07-Apr-09	13.0	\$0	0.0	\$67,084	\$67,084	\$0	160.2																
15212009E	FY09 Travel (CENT CHAMB)	02-Jan-09	30-Sep-09	37.8	\$0	0.0	\$0	\$983	\$983	27.4																
15212010	Proc Wire (CENT CHAMB)	05-Jan-09	09-Jul-09	26.0	\$0	0.0	\$21,296	\$21,296	\$0	145.0																
15212010E	FY10 Travel (CENT CHAMB)	01-Oct-09	30-Sep-10	49.6	\$0	0.0	\$0	\$1,331	\$1,331	27.4																
15212011E	FY11 Travel (CENT CHAMB)	01-Oct-10	30-Sep-11	49.6	\$0	0.0	\$0	\$1,373	\$1,373	27.4																
15212012E	FY12 Travel (CENT CHAMB)	03-Oct-11	28-Sep-12	49.4	\$0	0.0	\$0	\$1,418	\$1,418	27.4																
15212013E	FY13 Travel (CENT CHAMB)	01-Oct-12	31-Dec-12	11.8	\$0	0.0	\$0	\$308	\$308	27.4																
15212015	Proc Feedthroughs (CENT CHAMB)	01-Jun-09	03-Dec-09	26.0	\$0	0.0	\$108,611	\$108,611	\$0	124.6																
15212020	Proc Crimp pins (CENT CHAMB)	01-Jun-09	03-Dec-09	26.0	\$0	0.0	\$15,972	\$15,972	\$0	127.0																
15212025	Proc HV Cables (CENT CHAMB)	05-Jan-10	09-Jul-10	26.0	\$0	0.0	\$12,251	\$12,251	\$0	100.0																
15212030	Proc Signal Cables (CENT CHAMB)	14-May-10	16-Nov-10	26.0	\$0	0.0	\$33,084	\$33,084	\$0	81.8																
15212035	Proc Gas Connectors (CENT CHAMB)	05-Jan-10	07-Apr-10	13.0	\$0	0.0	\$71,421	\$71,421	\$0	112.8																
15212040	Proc endplates (CENT CHAMB)	01-Jun-09	15-Jan-10	31.0	\$0	0.0	\$63,889	\$63,889	\$0	120.0																
15212045	Prepare Procurement Packages for Supprt Frame (CENT CHAMB)	01-Aug-11	30-Sep-11	8.8	\$25,810	12.0	\$0	\$25,810	\$0	64.2																
15212047	Proc Supprt Frame (CENT CHAMB) Part A	03-Oct-11	13-Feb-12	17.4	\$0	0.0	\$24,876	\$24,876	\$0	64.2																
15212047a	Proc Supprt Frame (CENT CHAMB) Part B	03-Oct-11	13-Feb-12	17.4	\$0	0.0	\$16,400	\$16,400	\$0	64.2																
15212050	Proc Stand-offs (CENT CHAMB)	01-Jun-09	29-Sep-09	17.0	\$0	0.0	\$5,324	\$5,324	\$0	138.0																
15212055	Proc Aluminum shell (Outer surface) (CENT CHAMB)	01-Jun-11	30-Sep-11	17.2	\$0	0.0	\$3,402	\$3,402	\$0	42.8																
15212060	Proc Fiber Glass shell (inner surface) (CENT CHAMB)	05-Jan-11	11-Jul-11	26.0	\$0	0.0	\$567	\$567	\$0	54.4																
15212065	Proc Lucite and hardware (Gas plenum) (CENT CHAMB)	01-Mar-11	01-Aug-11	21.6	\$0	0.0	\$19,900	\$19,900	\$0	81.8																
15212070	Proc Epoxy (CENT CHAMB) (Frozen by CR10-007)	05-Jan-09	09-Jul-09	26.0	\$0	0.0	\$5,324	\$5,324	\$0	61.2																
15212075	Reverse Entry per CR10-007	01-Dec-09	01-Dec-09	0.2	\$0	0.0	(\$5,324)	(\$5,324)	\$0	41.2																
15212080	Proc First Article Preamps (CENT CHAMB)	05-Jan-10	28-May-10	20.4	\$0	0.0	\$6,922	\$6,922	\$0	58.0																
15212087	Alignment CC (CENT CHAMB)	21-Jun-12	18-Jul-12	4.0	\$0	0.0	\$7,020	\$7,020	\$0	38.0																
15212088	Proc Rail Bearings (CENT CHAMB)	01-Mar-11	01-Jun-11	13.2	\$0	0.0	\$2,268	\$2,268	\$0	80.8																
15212090	Test Straws (CENT CHAMB)	08-Apr-09	22-Apr-09	2.2	\$0	20.0	\$0	\$0	\$0	160.2																
15212095	Check Wire Quality (CENT CHAMB)	10-Jul-09	10-Aug-09	4.4	\$34,775	17.0	\$0	\$34,775	\$0	145.0																
15212100	Check Feedthroughs (CENT CHAMB)	04-Dec-09	12-Jan-10	4.4	\$0	20.0	\$0	\$0	\$0	124.6																
15212105	Check Crimp pins (CENT CHAMB)	04-Dec-09	18-Dec-09	2.2	\$0	20.0	\$0	\$0	\$0	127.0																
15212110	Check endplates (CENT CHAMB)	19-Jan-10	01-Feb-10	2.0	\$42,216	20.0	\$0	\$42,216	\$0	120.0																
15212115	Test On-Chamb Electrn's (CENT CHAMB)	30-Jan-12	02-Apr-12	9.0	\$13,346	15.8	\$0	\$13,346	\$0	14.6																
15212120	Clean endplates & Compnts (CENT CHAMB)	02-Feb-10	16-Feb-10	2.0	\$4,008	10.0	\$0	\$4,008	\$0	120.0																
15212145	Gas Sys Installn (CENT CHAMB)	03-Apr-12	03-Apr-12	0.2	\$0	0.0	\$0	\$0	\$0	14.4																
15212155	Mount Signal Connectors (CENT CHAMB)	04-Apr-12	01-May-12	4.0	\$4,268	10.0	\$0	\$4,268	\$0	14.4																
15212160	Attach shell (CENT CHAMB)	02-May-12	15-May-12	2.0	\$0	20.0	\$0	\$0	\$0	14.4																
15212185	Resolution Studies (CENT CHAMB)	01-Oct-12	04-Dec-12	9.0	\$34,623	31.9	\$0	\$34,623	\$0	14.4																
15212190	Cross talk Studies (CENT CHAMB)	05-Dec-12	11-Jan-13	4.4	\$0	40.0	\$0	\$0	\$0	14.4																
15212195	Magnetic Field Tests (CENT CHAMB)	14-Jan-13	13-Feb-13	4.4	\$0	40.0	\$0	\$0	\$0	14.4																
15212200	Shipping (CENT CHAMB)	14-Feb-13	04-Apr-13	7.0	\$0	40.0	\$6,230	\$6,230	\$0	14.4																
<b>1.5.2.1.3 START COUNTERS</b>		<b>01-Dec-11</b>	<b>19-Dec-13</b>	<b>102.0</b>	<b>\$33,579</b>	<b>192.0</b>	<b>\$56,504</b>	<b>\$90,083</b>	<b>\$0</b>	<b>8.8</b>																
15213000	Prepare Fabrication Packages (START COUNTERS)	01-Dec-11	02-Apr-12	16.0	\$22,073	11.0	\$0	\$22,073	\$0	57.8																
15213001	FY12 Engineering Support for Assembly (START COUNTERS) FY12	03-Apr-12	28-Sep-12	25.2	\$7,758	3.4	\$0	\$7,758	\$0	57.8																
15213001a	FY12 Engineering Support for Assembly (START COUNTERS) FY13	01-Oct-12	31-Dec-12	11.8	\$3,748	1.6	\$0	\$3,748	\$0	57.8																
15213005	Fabricate Start Counter (START COUNTERS)	31-May-13	19-Dec-13	28.2	\$0	176.0	\$25,547	\$25,547	\$0	8.8																
15213010	Procure Sipms Part A	01-Oct-12	28-Jun-13	36.8	\$0	0.0	\$9,906	\$9,906	\$0	32.8																
15213010a	Procure Sipms Part B	01-Oct-12	28-Jun-13	36.8	\$0	0.0	\$21,051	\$21,051	\$0	32.8																
<b>1.5.2.2 CALORIMETRY</b>		<b>01-Dec-08</b>	<b>30-Dec-13</b>	<b>251.2</b>	<b>\$1,062,724</b>	<b>608.6</b>	<b>\$5,596,942</b>	<b>\$6,767,540</b>	<b>\$107,874</b>	<b>69.4</b>																
<b>1.5.2.2.1 BARREL CALORIMETER</b>		<b>01-Dec-08</b>	<b>03-Jun-13</b>	<b>223.0</b>	<b>\$787,504</b>	<b>379.2</b>	<b>\$5,478,544</b>	<b>\$6,371,309</b>	<b>\$105,262</b>	<b>97.6</b>																
15221001	Prepare Fabrication Packages 2009 (BarCal)	02-Jun-09	04-Aug-09	9.0	\$15,626	8.0	\$0	\$15,626	\$0	152.8																
15221002	Evaluate Procurements 2009 (BarCal)	30-Jun-09	30-Sep-09	13.0	\$5,105	2.0	\$0	\$5,105	\$0	152.8																

— Primary Baseline   
 — Remaining Work   
 — Critical Remaining Work   
 ◆ Baseline Milestone   
 ◆ 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	FY2013				FY2014				FY2015				FY2016							
1546330	Procure Coax Cables (Qty.768)	06-Aug-12	28-Sep-12	7.8	\$0	0.0	\$38,400	\$38,400	\$0	60.0	Procure Coax Cables (Qty.768)																			
1546345	Procure Disc/TDC Cable(Qty.24)	25-Jan-13	28-Feb-13	4.8	\$0	0.0	\$619	\$619	\$0	33.6	Procure Disc/TDC Cable(Qty.24)																			
1546360	Test B/CAL Readout V3	11-Jun-12	20-Aug-12	10.2	\$16,801	8.5	\$0	\$16,801	\$0	62.0	Test B/CAL Readout V3																			
1546365	Test U-Boards FY12	11-Jun-12	28-Sep-12	15.8	\$22,312	12.6	\$0	\$22,312	\$0	62.0	Test U-Boards FY12																			
1546365a	Test U-Boards FY13	01-Oct-12	08-Oct-12	1.2	\$1,749	1.0	\$0	\$1,749	\$0	62.0	Test U-Boards FY13																			
1546370	Test Thermistor Boards	25-Jun-12	21-Sep-12	12.8	\$12,003	6.8	\$0	\$12,003	\$0	62.0	Test Thermistor Boards																			
1546375	Test Transition Boards	09-Jul-12	10-Aug-12	5.0	\$3,001	1.7	\$0	\$3,001	\$0	62.0	Test Transition Boards																			
1546380	Test Power Distribution FY12	04-Sep-12	28-Sep-12	3.8	\$4,438	1.6	\$0	\$4,438	\$0	59.0	Test Power Distribution FY12																			
1546380a	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546385	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546390	Power Distribution Engineering	27-Feb-12	30-Apr-12	9.2	\$9,596	3.4	\$0	\$9,596	\$0	76.4	Power Distribution Engineering																			
1546400	Pair Spectrometer Engineering	19-Mar-12	27-Apr-12	6.0	\$6,774	2.4	\$0	\$6,774	\$0	47.6	Pair Spectrometer Engineering																			
1546405	Pair Spectrometer Prototype Procurement Prep	16-Apr-12	18-May-12	5.0	\$6,774	2.4	\$0	\$6,774	\$0	60.4	Pair Spectrometer Prototype Procurement Prep																			
1546410	Pair Spectrometer Prototype Parts,Fab and Assembly	23-Apr-12	15-Jun-12	7.6	\$3,001	1.7	\$5,000	\$8,001	\$0	60.4	Pair Spectrometer Prototype Parts,Fab and Assembly																			
1546415	Test Pair Spectrometer Prototype	18-Jun-12	20-Jul-12	5.0	\$7,799	3.4	\$0	\$7,799	\$0	60.4	Test Pair Spectrometer Prototype																			
1546420	Pair Spectrometer Production Procurement Prep	23-Jul-12	07-Sep-12	6.8	\$4,977	2.4	\$0	\$4,977	\$0	60.4	Pair Spectrometer Production Procurement Prep																			
1546425	Procure Pair Spectrometer Readout Board	30-Jul-12	31-Aug-12	5.0	\$0	0.0	\$5,800	\$5,800	\$0	71.4	Procure Pair Spectrometer Readout Board																			
1546430	Procure Pair Spectrometer Transition Board	06-Aug-12	28-Sep-12	7.8	\$0	0.0	\$1,600	\$1,600	\$0	62.4	Procure Pair Spectrometer Transition Board																			
1546435	Procure Pair Spectrometer Power Distribution	13-Aug-12	28-Sep-12	6.8	\$0	0.0	\$1,050	\$1,050	\$0	60.4	Procure Pair Spectrometer Power Distribution																			
1546440	Procure Pair Spectrometer Coax Cables	20-Aug-12	30-Nov-12	14.4	\$0	0.0	\$10,500	\$10,500	\$0	67.4	Procure Pair Spectrometer Coax Cables																			
1546445	Pair Spectrometer Power Supplies Procurement Prep	25-Jul-12	14-Sep-12	7.4	\$6,774	2.4	\$0	\$6,774	\$0	35.6	Pair Spectrometer Power Supplies Procurement Prep																			
1546450	Procure LV Mod Preamp	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$7,223	\$7,223	\$0	35.6	Procure LV Mod Preamp																			
1546455	Procure LV Bias	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$9,287	\$9,287	\$0	35.6	Procure LV Bias																			
1546460	Procure LV Chassis	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$6,811	\$6,811	\$0	35.6	Procure LV Chassis																			
1546465	Procure LV Cables	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$413	\$413	\$0	35.6	Procure LV Cables																			
1546470	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546470a	DUMMY	06-Sep-12	06-Sep-12	0.2	\$0	0.0	\$0	\$0	\$0	3.2	DUMMY																			
1546475	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546475a	DUMMY	06-Sep-12	06-Sep-12	0.2	\$0	0.0	\$0	\$0	\$0	3.2	DUMMY																			
1546480	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546480a	DUMMY	06-Sep-12	06-Sep-12	0.2	\$0	0.0	\$0	\$0	\$0	3.2	DUMMY																			
1546485	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546500	Start Counter Engineering	27-Feb-12	23-Mar-12	4.0	\$9,596	3.4	\$0	\$9,596	\$0	71.6	Start Counter Engineering																			
1546505	Start Counter Prototype Procurement Prep	26-Mar-12	06-Apr-12	2.0	\$4,798	1.7	\$0	\$4,798	\$0	71.6	Start Counter Prototype Procurement Prep																			
1546510	Start Counter Prototype Parts,Fab and Assembly	26-Mar-12	27-Apr-12	5.0	\$3,001	1.7	\$5,000	\$8,001	\$0	71.6	Start Counter Prototype Parts,Fab and Assembly																			
1546515	Test Start Counter Prototype	14-May-12	01-Jun-12	2.8	\$4,977	2.4	\$0	\$4,977	\$0	71.6	Test Start Counter Prototype																			
1546520	Start Counter Production Procurement Prep	19-Feb-13	12-Apr-13	7.8	\$6,990	2.4	\$0	\$6,990	\$0	36.8	Start Counter Production Procurement Prep																			
1546525	Procure Start Counter ST Readout Board	25-Mar-13	31-May-13	9.8	\$0	0.0	\$5,160	\$5,160	\$0	43.2	Procure Start Counter ST Readout Board																			
1546530	Procure Start Counter Transition Board	08-Apr-13	30-Apr-13	3.4	\$0	0.0	\$1,651	\$1,651	\$0	42.2	Procure Start Counter Transition Board																			
1546535	Procure Start Counter Power Distribution	08-Apr-13	31-May-13	7.8	\$0	0.0	\$1,084	\$1,084	\$0	38.4	Procure Start Counter Power Distribution																			
1546540	Procure Start Counter Coax Cables	08-Apr-13	31-Jul-13	16.2	\$0	0.0	\$1,599	\$1,599	\$0	36.8	Procure Start Counter Coax Cables																			
1546550	Procure LV Mod Preamp	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$7,223	\$7,223	\$0	35.6	Procure LV Mod Preamp																			
1546555	Procure LV Bias	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$9,287	\$9,287	\$0	35.6	Procure LV Bias																			
1546560	Procure LV Chassis	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$6,811	\$6,811	\$0	35.6	Procure LV Chassis																			
1546565	Procure LV Cables	01-Oct-12	28-Feb-13	19.8	\$0	0.0	\$413	\$413	\$0	35.6	Procure LV Cables																			
1546570	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546575	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
1546580	DUMMY	01-Oct-12	01-Oct-12	0.2	\$0	0.0	\$0	\$0	\$0	49.4	DUMMY																			
<b>1.5.4.5 LOGIC, HV</b>		<b>02-Jan-09</b>	<b>31-Jan-13</b>	<b>202.4</b>	<b>\$207,182</b>	<b>101.0</b>	<b>\$848,045</b>	<b>\$1,058,657</b>	<b>\$3,430</b>	<b>39.4</b>	<b>31-Jan-13,1;5;4;5; LOGIC, HV</b>																			
1545005	Assemble Signal Distribn CFD Tests (LOGIC, HV)	03-Oct-11	28-Oct-11	4.0	\$0	0.0	\$0	\$0	\$0	86.0	Assemble Signal Distribn CFD Tests (LOGIC, HV)																			
1545009E	FY09 Travel (LOGIC, HV)	02-Jan-09	30-Sep-09	37.8	\$0	0.0	\$0	\$974	\$974	68.8	FY09 Travel (LOGIC, HV)																			
1545010	Dry Run of Testing Procedures for CFDs (LOGIC, HV)	31-Oct-11	07-Nov-11	1.2	\$0	0.0	\$0	\$0	\$0	86.0	Dry Run of Testing Procedures for CFDs (LOGIC, HV)																			
1545010E	FY10 Travel (LOGIC, HV)	01-Oct-09	30-Sep-10	49.6	\$0	0.0	\$0	\$1,209	\$1,209	68.8	FY10 Travel (LOGIC, HV)																			
1545011E	FY11 Travel (LOGIC, HV)	01-Oct-10	30-Sep-11	49.6	\$0	0.0	\$0	\$1,247	\$1,247	68.8	FY11 Travel (LOGIC, HV)																			
1545014	Discriminator - First Article Procurement Support	10-Jan-11	27-May-11	19.6	\$9,578	5.0	\$0	\$9,578	\$0	45.6	Discriminator - First Article Procurement Support																			

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

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1545015	Discriminator - First Article Parts Fab and Assembly (QTY 25)	28-Mar-11	21-Oct-11	29.4	\$0	0.0	\$62,500	\$62,500	\$0	45.6	Discriminator - First Article Parts Fab and Assembly (QTY 25)																																															
1545017	Test stand for testing/acceptance of discriminator	01-Apr-11	30-Jun-11	12.8	\$27,362	10.0	\$0	\$27,362	\$0	46.6	Test stand for testing/acceptance of discriminator																																															
1545020	Discriminator - First Article Test (QTY 25) FY11	11-Jul-11	30-Sep-11	11.8	\$11,732	6.6	\$0	\$11,732	\$0	45.6	Discriminator - First Article Test (QTY 25) FY11																																															
1545020a	Discriminator - First Article Test (QTY 25) FY12	03-Oct-11	30-Dec-11	11.6	\$11,900	6.4	\$0	\$11,900	\$0	45.6	Discriminator - First Article Test (QTY 25) FY12																																															
1545022	Discriminator - Full Single-Crate Acceptance Test	24-Oct-11	30-Dec-11	8.6	\$9,883	5.0	\$0	\$9,883	\$0	45.6	Discriminator - Full Single-Crate Acceptance Test																																															
1545025	Discriminator - Production Procurement Support	03-Jan-12	23-Mar-12	11.4	\$17,652	10.0	\$0	\$17,652	\$0	45.6	Discriminator - Production Procurement Support																																															
1545026	Discriminator - Production Parts Non-Recurring Engineering	04-Jan-12	31-May-12	20.8	\$0	0.0	\$751	\$751	\$0	45.6	Discriminator - Production Parts Non-Recurring Engineering																																															
1545027	Discriminator - Production Parts Fab and Assembly (QTY 70)	04-Jan-12	31-Aug-12	33.8	\$0	0.0	\$103,126	\$103,126	\$0	45.6	Discriminator - Production Parts Fab and Assembly (QTY 70)																																															
1545028	Procure Discriminators (Qty 24) Supplemental BCAL and PS	20-Aug-12	31-Jan-13	21.8	\$0	0.0	\$48,000	\$48,000	\$0	37.4	Procure Discriminators (Qty 24) Supplemental BCAL and PS																																															
1545030	Discriminator - Production Test (QTY 70) FY12	04-Sep-12	28-Sep-12	3.8	\$6,939	3.9	\$0	\$6,939	\$0	45.6	Discriminator - Production Test (QTY 70) FY12																																															
1545030a	Discriminator - Production Test (QTY 70) FY13	01-Oct-12	26-Nov-12	7.8	\$14,698	8.1	\$0	\$14,698	\$0	45.6	Discriminator - Production Test (QTY 70) FY13																																															
1545040	High Voltage - First Article Procurement Support	04-Jan-11	07-Feb-11	4.8	\$16,411	6.0	\$0	\$16,411	\$0	93.4	High Voltage - First Article Procurement Support																																															
1545050	High Voltage - First Article Crates (QTY 1) and Modules (QTY 10)	05-Jan-11	07-Feb-11	4.6	\$0	0.0	\$76,620	\$76,620	\$0	93.2	High Voltage - First Article Crates (QTY 1) and Modules (QTY 10)																																															
1545050a	High Voltage - First Article Crates (QTY 1) and Modules (added cost)	01-Apr-11	11-May-11	5.6	\$0	0.0	\$2,454	\$2,454	\$0	93.9	High Voltage - First Article Crates (QTY 1) and Modules (added cost)																																															
1545051	High Voltage - First Article Crates Acceptance Tests (QTY 1)	22-Feb-11	18-Mar-11	3.8	\$4,446	2.0	\$0	\$4,446	\$0	93.2	High Voltage - First Article Crates Acceptance Tests (QTY 1)																																															
1545055	High Voltage - First Article Modules Acceptance Tests (QTY 10)	14-Mar-11	08-Apr-11	4.0	\$7,868	4.0	\$0	\$7,868	\$0	93.2	High Voltage - First Article Modules Acceptance Tests (QTY 10)																																															
1545060	High Voltage - Production Procurement Support	03-Oct-11	02-Mar-12	20.0	\$1,765	1.0	\$0	\$1,765	\$0	68.8	High Voltage - Production Procurement Support																																															
1545065	Vend Fab - Universal Multichannel Power Supply System 750W (QTY 6)	03-Oct-11	13-Apr-12	26.0	\$0	0.0	\$52,213	\$52,213	\$0	68.8	Vend Fab - Universal Multichannel Power Supply System 750W (QTY 6)																																															
1545066	Vend Fab - Optional Power Supply 750W (QTY 6)	03-Oct-11	13-Apr-12	26.0	\$0	0.0	\$8,211	\$8,211	\$0	68.8	Vend Fab - Optional Power Supply 750W (QTY 6)																																															
1545070	Vend Fab - H.V Channels -3.5 KV 3 MA SHV Floating (QTY 18)	03-Oct-11	13-Apr-12	26.0	\$0	0.0	\$124,270	\$124,270	\$0	68.8	Vend Fab - H.V Channels -3.5 KV 3 MA SHV Floating (QTY 18)																																															
1545071	Vend Fab - H.V Channels +3.5 KV 3 MA Floating (QTY 8)	03-Oct-11	13-Apr-12	26.0	\$0	0.0	\$55,982	\$55,982	\$0	68.8	Vend Fab - H.V Channels +3.5 KV 3 MA Floating (QTY 8)																																															
1545075	Vend Fab - H.V Channels -3.5 KV 3 MA Floating (QTY 3)	03-Oct-11	13-Apr-12	26.0	\$0	0.0	\$21,677	\$21,677	\$0	68.8	Vend Fab - H.V Channels -3.5 KV 3 MA Floating (QTY 3)																																															
1545080	High Voltage - Crates Production Tests (QTY 6)	22-Feb-12	05-Jun-12	14.6	\$3,530	2.0	\$0	\$3,530	\$0	68.8	High Voltage - Crates Production Tests (QTY 6)																																															
1545085	High Voltage - Modules Production Tests (QTY 29)	22-Feb-12	05-Jun-12	14.6	\$14,122	8.0	\$0	\$14,122	\$0	68.8	High Voltage - Modules Production Tests (QTY 29)																																															
1545090	Low Voltage - First Article Procurement Support	07-Mar-11	05-Aug-11	21.6	\$16,411	6.0	\$0	\$16,411	\$0	55.8	Low Voltage - First Article Procurement Support																																															
1545095	Low Voltage - First Article Crates (QTY 1)	07-Mar-11	05-Aug-11	21.6	\$0	0.0	\$6,300	\$6,300	\$0	55.8	Low Voltage - First Article Crates (QTY 1)																																															
1545097	Low Voltage - First Article Modules (QTY 8)	07-Mar-11	05-Aug-11	21.6	\$0	0.0	\$45,200	\$45,200	\$0	59.8	Low Voltage - First Article Modules (QTY 8)																																															
1545098	Low Voltage - First Article Crates Acceptance Tests (QTY 1)	08-Aug-11	02-Sep-11	4.0	\$4,446	2.0	\$0	\$4,446	\$0	55.8	Low Voltage - First Article Crates Acceptance Tests (QTY 1)																																															
1545100	Low Voltage - First Article Modules Acceptance Tests (QTY 10)	06-Sep-11	30-Sep-11	3.8	\$7,868	4.0	\$0	\$7,868	\$0	55.8	Low Voltage - First Article Modules Acceptance Tests (QTY 10)																																															
1545105	Low Voltage - Production Procurement Support	10-Oct-11	21-Dec-11	10.2	\$2,822	1.0	\$0	\$2,822	\$0	54.8	Low Voltage - Production Procurement Support																																															
1545110	Low Voltage - Crates Production (QTY 7)	07-Nov-11	31-Oct-12	49.0	\$0	0.0	\$45,507	\$45,507	\$0	50.8	Low Voltage - Crates Production (QTY 7)																																															
1545115	Low Voltage - Modules Production (QTY 38)	07-Nov-11	31-Oct-12	49.0	\$0	0.0	\$195,235	\$195,235	\$0	50.8	Low Voltage - Modules Production (QTY 38)																																															
1545120	Low Voltage - Crates Production Tests (QTY 7) FY12	23-Apr-12	28-Sep-12	22.4	\$2,929	1.7	\$0	\$2,929	\$0	50.8	Low Voltage - Crates Production Tests (QTY 7) FY12																																															
1545120a	Low Voltage - Crates Production Tests (QTY 7) FY13	01-Oct-12	31-Oct-12	4.6	\$621	0.3	\$0	\$621	\$0	50.8	Low Voltage - Crates Production Tests (QTY 7) FY13																																															
1545125	Low Voltage - Modules Production Tests (QTY 38) FY12	23-Apr-12	28-Sep-12	22.4	\$11,716	6.6	\$0	\$11,716	\$0	50.8	Low Voltage - Modules Production Tests (QTY 38) FY12																																															
1545125a	Low Voltage - Modules Production Tests (QTY 38) FY13	01-Oct-12	31-Oct-12	4.6	\$2,483	1.4	\$0	\$2,483	\$0	50.8	Low Voltage - Modules Production Tests (QTY 38) FY13																																															
<b>1.5.4.7 DETECTOR CABLING</b>											<b>1.5.4.7 DETECTOR CABLING</b>																																															
1547005	Cables - Low Voltage Cabling Development (FDC&CDC)	11-Jan-11	25-Mar-11	10.4	\$8,892	4.0	\$0	\$8,892	\$0	66.4	Cables - Low Voltage Cabling Development (FDC&CDC)																																															
1547010	Cables - Low Voltage Cabling Procurement Support (FDC&CDC)	28-Mar-11	26-Aug-11	21.6	\$16,411	6.0	\$0	\$16,411	\$0	66.4	Cables - Low Voltage Cabling Procurement Support (FDC&CDC)																																															
1547015	Cables - Low Voltage Assemblies (FDC&CDC)	29-Aug-11	21-Dec-11	16.0	\$0	0.0	\$45,000	\$45,000	\$0	66.4	Cables - Low Voltage Assemblies (FDC&CDC)																																															
1547020	Cables - Low Voltage Distribution Development (FDC&CDC)	28-Mar-11	05-Aug-11	18.6	\$19,157	10.0	\$0	\$19,157	\$0	67.0	Cables - Low Voltage Distribution Development (FDC&CDC)																																															
1547025	Cables - Low Voltage Distribution Chassis (FDC&CDC)	18-Apr-11	26-Aug-11	18.6	\$0	0.0	\$21,000	\$21,000	\$0	67.0	Cables - Low Voltage Distribution Chassis (FDC&CDC)																																															
1547030	Cables - Low Voltage Distribution Supply Cables (FDC&CDC)	29-Aug-11	16-Dec-11	15.4	\$0	0.0	\$10,000	\$10,000	\$0	67.0	Cables - Low Voltage Distribution Supply Cables (FDC&CDC)																																															
1547035	Cables - Coax Signal Procurement Support FY11	07-Jul-11	30-Sep-11	12.2	\$9,516	4.3	\$0	\$9,516	\$0	6.2	Cables - Coax Signal Procurement Support FY11																																															
1547035a	Cables - Coax Signal Procurement Support FY12	03-Oct-11	16-Dec-11	10.6	\$8,532	3.7	\$0	\$8,532	\$0	6.2	Cables - Coax Signal Procurement Support FY12																																															
1547040	Cables - Coax HV Procurement Support FY11	07-Jul-11	30-Sep-11	12.2	\$9,516	4.3	\$0	\$9,516	\$0	23.6	Cables - Coax HV Procurement Support FY11																																															
1547040a	Cables - Coax HV Procurement Support FY12	03-Oct-11	16-Dec-11	10.6	\$8,532	3.7	\$0	\$8,532	\$0	23.6	Cables - Coax HV Procurement Support FY12																																															
1547045	Cables - Coax Signal Acceptance Tests	10-Jan-12	21-Mar-12	10.0	\$10,591	6.0	\$0	\$10,591	\$0	6.2	Cables - Coax Signal Acceptance Tests																																															
1547050	Cables - Coax HV Acceptance Tests	10-Jan-12	21-Mar-12	10.0	\$10,591	6.0	\$0	\$10,591	\$0	23.6	Cables - Coax HV Acceptance Tests																																															
1547055	Cables - Coax HV Tagger/Hodoscope	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$14,705	\$14,705	\$0	64.6	Cables - Coax HV Tagger/Hodoscope																																															
1547060	Cables - Coax Signal Tagger/Hodoscope	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$15,994	\$15,994	\$0	61.0	Cables - Coax Signal Tagger/Hodoscope																																															
1547065	Cables - Coax HV Pair Spectrometer	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$3,870	\$3,870	\$0	65.4	Cables - Coax HV Pair Spectrometer																																															
1547070	Cables - Coax Signal Pair Spectrometer	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$2,580	\$2,580	\$0	56.4	Cables - Coax Signal Pair Spectrometer																																															
1547075	Cables - Coax HV Start Counter	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$3,096	\$3,096	\$0	23.6	Cables - Coax HV Start Counter																																															
1547080	Cables - Coax Signal Start Counter	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$2,064	\$2,064	\$0	6.2	Cables - Coax Signal Start Counter																																															

■ 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	FY2013	FY2014	FY2015	FY2016
1547085	Cables - LV BCAL	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$3,715	\$3,715	\$0	43.0				
1547090	Cables - Bias BCAL	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$5,572	\$5,572	\$0	44.6				
1547095	Cables - Coax Signal BCAL	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$99,062	\$99,062	\$0	15.0				
1547100	Cables - Coax HV TOF	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$13,002	\$13,002	\$0	64.8				
1547105	Cables - Coax Signal TOF	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$8,668	\$8,668	\$0	64.6				
1547110	Cables - Coax Signal FCAL	03-Jan-12	28-Sep-12	37.8	\$0	0.0	\$56,755	\$56,755	\$0	28.0				
1547115	Cables - HV Label and Bundle Tagger/Hodoscope	03-Jan-13	29-Jan-13	3.6	\$3,643	2.0	\$0	\$3,643	\$0	52.6				
1547120	Cables - Signal Label and Bundle Tagger/Hodoscope	03-Jan-13	29-Jan-13	3.6	\$3,643	2.0	\$0	\$3,643	\$0	49.0				
1547125	Cables - HV Label and Bundle Pair Spectrometer	03-Jan-13	16-Jan-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	57.0				
1547130	Cables - Signal Label and Bundle Pair Spectrometer	08-Jan-13	22-Jan-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	56.4				
1547135	Cables - HV Label and Bundle Start Counter	03-Jan-13	16-Jan-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	18.2				
1547140	Cables - Signal Label and Bundle Start Counter	23-Jan-13	04-Feb-13	1.8	\$1,822	1.0	\$0	\$1,822	\$0	6.2				
1547145	Cables - LV Label and Bundle CDC	05-Feb-13	19-Feb-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	11.8				
1547150	Cables - HV Label and Bundle CDC	17-Jan-13	31-Jan-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	18.2				
1547155	Cables - Signal Label and Bundle CDC	05-Feb-13	05-Mar-13	4.0	\$3,643	2.0	\$0	\$3,643	\$0	6.2				
1547160	Cables - LV Label and Bundle FDC	20-Feb-13	02-Apr-13	6.0	\$5,465	3.0	\$0	\$5,465	\$0	11.8				
1547165	Cables - HV Label and Bundle FDC	01-Feb-13	14-Feb-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	18.2				
1547170	Cables - Signal Label and Bundle FDC	06-Mar-13	10-May-13	9.6	\$9,108	5.0	\$0	\$9,108	\$0	6.2				
1547175	Cables - LV Label and Bundle BCAL	03-Apr-13	12-Apr-13	1.6	\$1,822	1.0	\$0	\$1,822	\$0	18.6				
1547180	Cables - Bias Label and Bundle BCAL	15-Apr-13	26-Apr-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	18.6				
1547185	Cables - Signal Label and Bundle BCAL	03-Jan-13	06-Aug-13	30.0	\$29,146	16.0	\$0	\$29,146	\$0	3.0				
1547190	Cables - HV Label and Bundle TOF	15-Feb-13	14-Mar-13	3.8	\$3,643	2.0	\$0	\$3,643	\$0	46.8				
1547195	Cables - Signal Label and Bundle TOF	30-Jan-13	27-Feb-13	4.0	\$3,643	2.0	\$0	\$3,643	\$0	49.0				
1547200	Cables - Signal Label and Bundle FCAL	03-Jan-13	21-May-13	19.4	\$18,216	10.0	\$0	\$18,216	\$0	16.0				
<b>1.5.4.8 FULL CRATE CHECKS</b>														
1548010	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VME64x Discriminator	01-Mar-13	21-Mar-13	3.0	\$5,099	2.5	\$0	\$5,099	\$0	33.6				
1548015	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS IADC250	01-Apr-13	19-Apr-13	3.0	\$10,564	5.5	\$0	\$10,564	\$0	20.4				
1548020	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS IADC125	11-Oct-13	13-Nov-13	4.8	\$6,921	3.5	\$0	\$6,921	\$0	3.4				
1548025	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS F1TDC	12-Sep-13	09-Oct-13	4.0	\$5,099	2.5	\$0	\$5,099	\$0	5.4				
1548030	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label High Voltage	06-Jun-12	03-Jul-12	4.0	\$4,942	2.5	\$0	\$4,942	\$0	68.8				
1548035	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label Low Voltage	01-Mar-13	28-Mar-13	4.0	\$5,099	2.5	\$0	\$5,099	\$0	35.6				
<b>1.5.5 BEAMLINER</b>														
<b>1.5.5.1 TAGGER</b>														
<b>1.5.5.1.1 TAGGING MAGNET</b>														
15511002	Prepare Procurements/Fabrication Packages 2010 ((TAGGING Mag)	01-Oct-09	29-Sep-10	49.4	\$39,992	18.0	\$0	\$39,992	\$0	48.4				
15511003	Evaluate Procurements 2010 (TAGGING Mag)	05-Jan-11	26-Aug-11	32.8	\$12,739	5.0	\$0	\$12,739	\$0	48.4				
15511004	Engineering Support for Magnet Acceptance 2012 (TAGGING Mag)	03-Oct-11	13-Dec-11	10.0	\$9,463	4.0	\$0	\$9,463	\$0	92.4				
15511004a	Engineering Support for Component Procurements FY11 (TAGGING Mag)	04-Jan-11	30-Sep-11	37.8	\$36,682	16.0	\$0	\$36,682	\$0	56.8				
15511004b	Engineering Support for Component Procurements FY12 (TAGGING Mag)	03-Oct-11	31-Aug-12	45.6	\$20,682	8.0	\$0	\$20,682	\$0	56.8				
15511005	Drawings for Yoke Steel (TAGGING Mag)	01-Apr-10	20-Sep-10	24.0	\$46,414	43.0	\$0	\$46,414	\$0	61.0				
15511010	Drawings for Coils (TAGGING Mag)	01-Apr-10	20-Aug-10	20.0	\$55,231	65.0	\$0	\$55,231	\$0	61.0				
15511010E	FY10 Travel (TAGGING Mag)	01-Oct-09	30-Sep-10	49.6	\$0	0.0	\$0	\$6,074	\$6,074	29.4				
15511011E	FY11 Travel (TAGGING Mag)	01-Oct-10	30-Sep-11	49.6	\$0	0.0	\$0	\$6,268	\$6,268	29.4				
15511012E	FY12 Travel (TAGGING Mag)	03-Oct-11	29-Jun-12	36.6	\$0	0.0	\$0	\$4,849	\$4,849	29.4				
15511015	Drawings for Vac Chamb (TAGGING Mag)	01-Apr-10	20-Sep-10	24.0	\$55,231	65.0	\$0	\$55,231	\$0	61.0				
15511025	Dsgn Stands for Mag (TAGGING Mag)	01-Apr-10	24-Jun-10	12.0	\$46,414	37.0	\$0	\$46,414	\$0	73.0				
15511030	Dsgn Supprt for Vac Chamb (TAGGING Mag)	01-Apr-10	03-Sep-10	22.0	\$46,414	37.0	\$0	\$46,414	\$0	63.0				
15511035	Dsgn Stands for Quad (TAGGING Mag)	03-Oct-11	20-Dec-11	11.0	\$49,424	37.0	\$0	\$49,424	\$0	96.8				
15511040	Write Pwr Supply Spec (TAGGING Mag)	23-Aug-10	27-Sep-10	5.0	\$8,290	11.0	\$0	\$8,290	\$0	113.2				
15511045	EH&S Review of Dsgn before Constrcn (TAGGING Mag)	21-Sep-10	27-Sep-10	1.0	\$0	0.0	\$0	\$0	\$0	61.0				
15511050	Vend Fab Tagger Magnet Peg Point #1 Submit Foundry reports	15-Apr-11	31-Oct-11	27.8	\$0	0.0	\$442,540	\$442,540	\$0	34.4				
15511050a	Vend Fab Tagger Magnet Peg Point #2 Winding tooling complete, conductor received	15-Apr-11	31-Oct-11	27.8	\$0	0.0	\$45,296	\$45,296	\$0	34.4				
15511050b	Vend Fab Tagger Magnet Peg Point #3 Submit machining sequence and initial ultrasonic...	15-Apr-11	30-Dec-11	35.2	\$0	0.0	\$133,880	\$133,880	\$0	34.4				
15511050c	Vend Fab Tagger Magnet Peg Point #4 Twelve coil assemblies wound	15-Apr-11	30-Dec-11	35.2	\$0	0.0	\$78,454	\$78,454	\$0	34.4				
15511050d	Vend Fab Tagger Magnet Peg Point #5 Coil resin impregnation complete	15-Apr-11	30-Mar-12	47.6	\$0	0.0	\$102,401	\$102,401	\$0	34.4				

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

12 GeV Hall D Baseline

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	FY2013	FY2014	FY2015	FY2016
1562010M	Tagger Magnets Fabled (Installtn)	04-Dec-12		0.0	\$0	0.0	\$0	\$0	\$0	34.4				
1562011E	FY11 Travel (Installtn)	01-Oct-10	30-Sep-11	49.6	\$0	0.0	\$0	\$1,361	\$1,361	18.8				
1562012E	FY12 Travel (Installtn)	03-Oct-11	28-Sep-12	49.4	\$0	0.0	\$0	\$1,404	\$1,404	18.8				
1562013E	FY13 Travel (Installtn)	01-Oct-12	30-Sep-13	49.6	\$0	0.0	\$0	\$1,449	\$1,449	18.8				
1562014E	FY14 Travel (Installtn)	01-Oct-13	30-Dec-13	11.6	\$0	0.0	\$0	\$362	\$362	18.8				
1562015M	Assy of CDC (Installtn)	16-Jul-13		0.0	\$0	0.0	\$0	\$0	\$0	14.4				
1562020M	Shipment of Bcal Modules (Installtn)	03-Dec-12		0.0	\$0	0.0	\$0	\$0	\$0	47.0				
1562025M	Assy of Fcal (Installtn)	22-Apr-13		0.0	\$0	0.0	\$0	\$0	\$0	11.4				
1562035M	Assy of TOF (Installtn)	07-Nov-13		0.0	\$0	0.0	\$0	\$0	\$0	13.6				
1562045	Install Tagger Magnets & Chamber (Installtn)	04-Jun-13	06-Aug-13	9.0	\$33,590	16.0	\$31,391	\$64,981	\$0	10.2				
1562050	Install Tagger Pwr Supply (Installtn)	28-Nov-12	29-Jan-13	7.6	\$23,024	12.4	\$12,073	\$35,097	\$0	55.6				
1562055	Install LCW Connections (Installtn)	22-Aug-12	19-Sep-12	4.0	\$11,693	6.0	\$9,200	\$20,893	\$0	55.6				
1562060	Survey & Align Magnets (Installtn)	07-Aug-13	20-Aug-13	2.0	\$21,238	11.0	\$0	\$45,385	\$24,147	10.2				
1562061	Field Map Tagging Magnet (Installtn)	21-Aug-13	13-Nov-13	12.0	\$19,378	44.0	\$0	\$19,378	\$0	10.2				
1562065	Install Pwr for Tagger Electrc's (Installtn)	08-Jul-13	02-Aug-13	4.0	\$0	0.0	\$6,037	\$6,037	\$0	26.6				
1562070	Install Cooling for Tagger Electrc's (Installtn)	21-Jun-13	05-Jul-13	2.0	\$0	0.0	\$3,622	\$3,622	\$0	26.6				
1562075	Install Fire Protection for Tagger Electrc's (Installtn)	19-Apr-13	20-Jun-13	8.8	\$0	0.0	\$25,354	\$25,354	\$0	26.6				
1562080	Install Hodoscope (Installtn)	03-Jan-14	16-Jan-14	2.0	\$8,495	4.4	\$0	\$20,569	\$12,073	4.6				
1562085	Racks - Install Tagger	11-Mar-13	22-Mar-13	2.0	\$1,822	1.0	\$0	\$1,822	\$0	15.2				
1562090	Install Tagger Electrc's (Installtn)	25-Mar-13	05-Apr-13	2.0	\$11,512	6.2	\$0	\$16,341	\$4,829	43.2				
1562091M	Tagger Ready For Beam (Installtn)		24-Feb-14	0.0	\$0	0.0	\$0	\$0	\$0	11.4				
1562095	Cables - Install on Trays Detector to Racks Tagger	17-Jan-14	31-Jan-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	4.6				
1562095a	Cables - Route and Connect on Detector Tagger	07-Feb-14	21-Feb-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	6.6				
1562095b	Cables - Route on Racks Tagger	24-Feb-14	28-Feb-14	1.0	\$1,822	1.0	\$0	\$1,822	\$0	6.6				
1562095c	Cables - Connect to Crate Electronics Tagger	03-Mar-14	14-Mar-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	6.6				
1562096	Install Permanent Magnet Stand (Installtn)	17-Jan-14	24-Jan-14	1.0	\$1,834	1.0	\$0	\$1,834	\$0	11.4				
1562097	Install Permanent Magnet (Installtn)	27-Jan-14	24-Feb-14	4.0	\$7,338	4.0	\$0	\$7,338	\$0	11.4				
1562098	Install Tagger Quad Stand & Magnet (Installtn)	01-Mar-13	29-Mar-13	4.2	\$20,178	11.0	\$0	\$20,178	\$0	45.8				
1562099	Cables - Install on Trays Detector to Racks Pair Spectrometer	07-Feb-14	21-Feb-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	4.6				
1562099a	Cables - Route and Connect on Detector Pair Spectrometer	24-Feb-14	07-Mar-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	4.6				
1562099b	Cables - Route on Racks Pair Spectrometer	10-Mar-14	14-Mar-14	1.0	\$1,822	1.0	\$0	\$1,822	\$0	4.6				
1562099c	Cables - Connect to Crate Electronics Pair Spectrometer	17-Mar-14	28-Mar-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	4.6				
1562099d	Prepare procurement packages for col cave vacuum	05-Jan-11	01-Apr-11	12.2	\$20,374	10.0	\$0	\$20,374	\$0	100.4				
1562100	Fab Collimator Cave Vac (Installtn)	18-Feb-11	15-Jul-11	20.6	\$0	0.0	\$11,338	\$11,338	\$0	100.4				
1562100b	Install col cave vacuum FY11	18-Jul-11	30-Sep-11	10.8	\$16,047	8.9	\$0	\$16,047	\$0	100.4				
1562100ba	Install col cave vacuum FY12	03-Oct-11	14-Nov-11	6.2	\$9,506	5.1	\$0	\$9,506	\$0	100.4				
1562101	Procure hdwre for collimator cave utilities	05-Jan-11	01-Jun-11	20.6	\$0	0.0	\$20,000	\$20,000	\$0	125.4				
1562102	Install collimator cave utilities(Installtn) Part B	20-Jan-11	20-May-11	17.2	\$63,979	33.0	\$0	\$63,979	\$0	125.0				
1562105	Fab Collimator Cave Stands (Installtn)	05-Jan-11	01-Jun-11	20.6	\$0	0.0	\$11,338	\$11,338	\$0	123.6				
1562110	Proc Collimator #2 and Obtain SEG Blocks (Installtn)	05-Jan-12	06-Apr-12	13.0	\$2,339	1.2	\$22,230	\$24,569	\$0	85.8				
1562115	install Collimator Concrete Shielding (Installtn)	05-Jun-12	03-Aug-12	8.8	\$13,620	7.0	\$22,230	\$35,850	\$0	67.4				
1562120	Install Lead Shielding for Wall (Installtn)	06-Aug-12	28-Sep-12	7.8	\$28,416	14.0	\$22,230	\$50,646	\$0	67.4				
1562125	Install Primary Collimator (Installtn)	11-Jul-12	05-Sep-12	8.0	\$13,470	7.0	\$14,040	\$27,510	\$0	68.8				
1562130	Install Collimator Mag Sweep # 1 (Installtn)	15-Nov-11	15-Dec-11	4.2	\$13,470	7.0	\$15,210	\$28,680	\$0	100.4				
1562132	Install Collimator cave stands (Installtn)	03-Mar-11	30-Jun-11	17.0	\$25,981	14.0	\$0	\$25,981	\$0	123.6				
1562135	Install Collimator #2 (Installtn)	09-Apr-12	20-Apr-12	2.0	\$9,915	5.0	\$17,550	\$27,465	\$0	85.8				
1562140	Install Collimator Concrete Shielding (Installtn) Part A	08-Jan-14	22-Jan-14	2.0	\$6,563	3.0	\$8,493	\$15,056	\$0	3.2				
1562140a	Install Collimator Concrete Shielding (Installtn) Part B	08-Jan-14	22-Jan-14	2.0	\$0	0.0	\$14,447	\$14,447	\$0	3.2				
1562145	Install Collimator Lead Shielding Wall (Installtn)	23-Jan-14	05-Feb-14	2.0	\$6,563	3.0	\$21,732	\$28,295	\$0	3.2				
1562149	Installation Safety & Planning Platform #5 (Installtn)	17-May-10	27-Jul-10	10.0	\$16,696	10.0	\$0	\$16,696	\$0	68.0				
1562165	Install Pair Spectrometer (Installtn)	23-Jan-14	22-Apr-14	12.6	\$9,074	4.6	\$7,244	\$16,318	\$0	3.2				
1562170	Install Photon Monitors (Installtn)	11-Oct-13	16-Dec-13	9.0	\$3,669	2.0	\$0	\$16,346	\$12,677	3.2				
1562175	Install Target and Start Counter Inside Detector (Installtn)	06-Mar-14	19-Mar-14	2.0	\$29,350	16.0	\$24,147	\$53,497	\$0	8.0				
1562180	Install Photon BL Tag Hall (Installtn)	01-Apr-13	11-Jun-13	10.2	\$5,503	3.0	\$3,018	\$8,522	\$0	45.8				
1562181	Install Photon BL Coll. Cave (Installtn)	17-Dec-13	07-Jan-14	2.0	\$5,503	3.0	\$3,018	\$8,522	\$0	3.2				

— 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	FY2013				FY2014				FY2015				FY2016			
											1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1562385	Cooling Sys Checks for FDC (Installtn)	04-Oct-13	17-Oct-13	2.0	\$4,827	2.4	\$0	\$4,827	\$0	11.4																
1562390	Operation Checks FDC (Inside Solenoid) (Installtn)	18-Oct-13	31-Oct-13	2.0	\$17,866	8.0	\$0	\$17,866	\$0	11.4																
1562391	Develop drift chamber gas system design	05-Mar-12	26-Jun-12	16.0	\$29,045	12.8	\$0	\$29,045	\$0	56.6																
1562392	Procure final hardware for gas systems	03-Jan-13	05-Jul-13	25.6	\$0	0.0	\$44,935	\$44,935	\$0	31.2																
1562393	Install/test gas systems	05-Feb-13	29-May-13	16.0	\$40,267	18.7	\$0	\$40,267	\$0	31.2																
1562394	Prepare procurement packages for downstream platform	05-Jan-12	29-Feb-12	7.6	\$45,906	22.0	\$0	\$45,906	\$0	74.4																
1562395	Fab Downstream Platform #3 TOF, Fcal (Installtn)	01-Mar-12	28-Mar-12	4.0	\$6,360	3.0	\$64,350	\$82,410	\$11,700	74.4																
1562400	Racks - Install Hall Upper Level Downstream (D2)	06-Jun-13	19-Jun-13	2.0	\$7,286	4.0	\$0	\$7,286	\$0	15.2																
1562405	Install Pwr to Racks Platform #3 (Installtn)	20-Jun-13	22-Aug-13	9.0	\$0	0.0	\$24,147	\$24,147	\$0	15.2																
1562410	Install Cooling to Racks Platform #3 (Installtn)	23-Aug-13	25-Oct-13	9.0	\$0	0.0	\$36,220	\$36,220	\$0	15.2																
1562413	Install Fire Protection (Installtn)	28-Oct-13	01-Nov-13	1.0	\$0	0.0	\$24,147	\$24,147	\$0	15.2																
1562420	Install Supprt Electrnc's Platform #3 (Installtn)	07-Nov-13	21-Jan-14	9.0	\$10,930	6.0	\$0	\$23,003	\$12,073	16.0																
1562423	Prepare solenoid and temporary platform Procurements/Fabrication Packages (Installtn)	02-May-11	30-Sep-11	21.4	\$61,806	29.0	\$0	\$61,806	\$0	48.2																
1562425	Evaluate Procurements 2011 (Installtn)	28-Oct-11	09-Jan-12	8.8	\$7,536	3.0	\$0	\$7,536	\$0	48.2																
1562430	Engineering Support for Tagger Installation 2012 (Installtn)	19-Jun-12	28-Sep-12	14.6	\$56,755	29.0	\$0	\$56,755	\$0	9.8																
1562435	Engineering Support for Detector Installation 2013 (Installtn)	24-Oct-12	30-Sep-13	46.2	\$22,778	11.0	\$0	\$22,778	\$0	9.8																
1562440	Engineering Support for Tagger Installation 2013 (Installtn)	30-Oct-12	30-Aug-13	41.4	\$22,778	11.0	\$0	\$22,778	\$0	48.6																
1562445	Engineering Support for Installation 2014 (Installtn)	01-Oct-13	11-Dec-13	10.0	\$100,727	42.0	\$0	\$100,727	\$0	20.4																
1562450	Install TOF Sys (Installtn)	30-Dec-13	28-Jan-14	4.0	\$9,653	4.8	\$1,207	\$10,860	\$0	3.6																
1562455	Cables - Install on Trays Detector to Racks TOF	29-Jan-14	21-Feb-14	3.4	\$3,643	2.0	\$0	\$3,643	\$0	3.6																
1562455a	Cables - Route and Connect on Detector TOF	03-Mar-14	12-Mar-14	1.6	\$3,643	2.0	\$0	\$3,643	\$0	4.0																
1562455b	Cables - Route on Racks TOF	13-Mar-14	19-Mar-14	1.0	\$1,822	1.0	\$0	\$1,822	\$0	4.0																
1562455c	Cables - Connect to Crate Electronics TOF	20-Mar-14	02-Apr-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	4.0																
1562460	Test TOF Sys (Installtn)	24-Feb-14	18-Apr-14	8.0	\$20,398	10.0	\$0	\$20,398	\$0	3.6																
1562465	Erect Dark Room for Fcal (Installtn)	22-Apr-13	24-Jun-13	9.0	\$30,117	14.8	\$2,415	\$32,532	\$0	11.4																
1562470	Register Single Channel FCAL Detector to Readout (Installtn)	22-Apr-13	23-Jul-13	13.0	\$11,390	5.4	\$0	\$11,390	\$0	7.4																
1562475	Cables - Install on Trays Detector to Racks FCAL	30-Jul-13	29-Oct-13	13.0	\$10,930	6.0	\$0	\$10,930	\$0	6.6																
1562475a	Cables - Route and Connect on Detector FCAL	04-Nov-13	13-Dec-13	5.6	\$3,643	2.0	\$0	\$3,643	\$0	6.6																
1562475b	Cables - Route on Racks FCAL	16-Dec-13	03-Jan-14	1.8	\$3,643	2.0	\$0	\$3,643	\$0	6.6																
1562475c	Cables - Connect to Crate Electronics FCAL	06-Jan-14	14-Feb-14	5.8	\$3,643	2.0	\$0	\$3,643	\$0	6.6																
1562480	Install Calibration Sys for Fcal (Installtn)	30-Oct-13	26-Nov-13	4.0	\$14,961	7.0	\$0	\$14,961	\$0	6.8																
1562485	Install Start Counter Onto Target (Installtn)	12-Feb-14	05-Mar-14	3.0	\$17,570	9.0	\$0	\$17,570	\$0	2.6																
1562490	Cables - Install on Trays Detector to Racks Start Counter	20-Feb-14	06-Mar-14	2.2	\$1,822	1.0	\$0	\$1,822	\$0	2.6																
1562490a	Cables - Route and Connect on Detector Start Counter	07-Mar-14	21-Mar-14	2.2	\$1,822	1.0	\$0	\$1,822	\$0	2.6																
1562490b	Cables - Route on Racks Start Counter	24-Mar-14	28-Mar-14	1.0	\$1,822	1.0	\$0	\$1,822	\$0	2.6																
1562490c	Cables - Connect to Crate Electronics Start Counter	31-Mar-14	11-Apr-14	2.0	\$1,822	1.0	\$0	\$1,822	\$0	2.6																
1562495	Test Start Counter (Installtn)	07-Mar-14	20-Mar-14	2.0	\$9,690	5.2	\$0	\$9,690	\$0	7.8																
1562505	Install Trigger Electrnc's (Installtn)	03-Mar-14	28-Mar-14	4.0	\$9,108	5.0	\$0	\$9,108	\$0	2.6																
1562510	Check-out Trigger Electrnc's (Installtn)	31-Mar-14	25-Apr-14	4.0	\$3,461	1.8	\$0	\$3,461	\$0	2.6																
1562515	Crates - Loaded (VME64x VXS HV LV) Install Hall Tagger	10-Oct-13	16-Oct-13	1.0	\$3,643	2.0	\$0	\$3,643	\$0	5.4																
1562520	Crates - Loaded (VME64x VXS HV LV) Install Hall Pair Spectrometer	17-Oct-13	23-Oct-13	1.0	\$3,643	2.0	\$0	\$3,643	\$0	5.4																
1562525	Crates - Loaded (VME64x VXS HV LV) Install Hall Start Counter	24-Oct-13	30-Oct-13	1.0	\$3,643	2.0	\$0	\$3,643	\$0	5.4																
1562530	Crates - Loaded (VME64x VXS HV LV) Install Hall CDC	14-Nov-13	27-Nov-13	2.0	\$7,286	4.0	\$0	\$7,286	\$0	3.4																
1562535	Crates - Loaded (VME64x VXS HV LV) Install Hall FDC	02-Dec-13	03-Jan-14	3.8	\$14,573	8.0	\$0	\$14,573	\$0	3.4																
1562540	Crates - Loaded (VME64x VXS HV LV) Install Hall BCAL	06-Jan-14	03-Feb-14	4.0	\$14,573	8.0	\$0	\$14,573	\$0	3.4																
1562545	Crates - Loaded (VME64x VXS HV LV) Install Hall TOF	04-Feb-14	10-Feb-14	1.0	\$3,643	2.0	\$0	\$3,643	\$0	3.4																
1562550	Crates - Loaded (VME64x VXS HV LV) Install Hall FCAL	11-Feb-14	11-Mar-14	4.0	\$3,643	2.0	\$0	\$3,643	\$0	3.4																
1562555	System Check-out Install Hall Tagger	17-Mar-14	28-Mar-14	2.0	\$6,556	3.0	\$0	\$6,556	\$0	6.6																
1562560	System Check-out Install Hall Pair Spectrometer	31-Mar-14	11-Apr-14	2.0	\$6,556	3.0	\$0	\$6,556	\$0	4.6																
1562565	System Check-out Install Hall Start Counter	14-Apr-14	25-Apr-14	2.0	\$6,556	3.0	\$0	\$6,556	\$0	2.6																
1562570	System Check-out Install Hall CDC	06-Feb-14	05-Mar-14	3.8	\$6,556	3.0	\$0	\$6,556	\$0	10.0																
1562575	System Check-out Install Hall FDC	06-Jan-14	13-Feb-14	5.6	\$6,556	3.0	\$0	\$6,556	\$0	12.6																
1562580	System Check-out Install Hall BCAL	21-Mar-14	21-Apr-14	4.4	\$6,556	3.0	\$0	\$6,556	\$0	3.4																
1562585	System Check-out Install Hall TOF	03-Apr-14	16-Apr-14	2.0	\$6,556	3.0	\$0	\$6,556	\$0	4.0																
1562590	System Check-out Install Hall FCAL	12-Mar-14	21-Apr-14	5.8	\$6,556	3.0	\$0	\$6,556	\$0	3.4																

■ 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	Gantt Chart (FY2013-FY2016)			
18241020	Cooldown to 4 K (SOLENOID)	03-Dec-12	11-Dec-12	1.4	\$2,413	1.2	\$0	\$2,413	\$0	18.2	Cooldown to 4 K (SOLENOID)			
18241025	Fill with LHE (SOLENOID)	13-Dec-12	21-Dec-12	1.4	\$2,413	1.2	\$0	\$2,413	\$0	18.2	Fill with LHE (SOLENOID)			
18241030	Static Test Coils (SOLENOID)	31-Dec-12	09-Jan-13	1.4	\$6,563	3.0	\$1,207	\$7,771	\$0	18.2	Static Test Coils (SOLENOID)			
18241035	Controls Test Solenoid (SOLENOID)	10-Jan-13	28-Jan-13	2.4	\$126,691	48.0	\$1,207	\$127,899	\$0	18.2	Controls Test Solenoid (SOLENOID)			
18241040	Pwr Test Solenoid (SOLENOID)	29-Jan-13	20-Feb-13	3.2	\$56,746	24.0	\$1,207	\$57,953	\$0	18.2	Pwr Test Solenoid (SOLENOID)			
<b>1.8.2.4.3 HALL D ONLINE CHECKOUT</b>		<b>29-Jan-13</b>	<b>01-Oct-13</b>	<b>34.4</b>	<b>\$239,739</b>	<b>87.1</b>	<b>\$0</b>	<b>\$239,739</b>	<b>\$0</b>	<b>35.6</b>	<b>01-Oct-13, 1:8,2:4:3 HALL D ONLINE CHECKOUT</b>			
<b>1.8.2.4.3.1 HALL D DAQ CHECKOUT</b>		<b>22-Apr-13</b>	<b>01-Oct-13</b>	<b>22.8</b>	<b>\$84,548</b>	<b>30.0</b>	<b>\$0</b>	<b>\$84,548</b>	<b>\$0</b>	<b>35.6</b>	<b>01-Oct-13, 1:8,2:4:3:1 HALL D DAQ CHECKOUT</b>			
182431000	Check-out Counting House & Equip (DAQ)	22-Apr-13	19-Jun-13	8.4	\$30,410	11.0	\$0	\$30,410	\$0	30.0	Check-out Counting House & Equip (DAQ)			
182431005	Check-out Cabling (DAQ)	03-Sep-13	01-Oct-13	4.2	\$27,908	10.0	\$0	\$27,908	\$0	35.6	Check-out Cabling (DAQ)			
182431010	Check-out DAQ Electrn's (DAQ)	21-May-13	18-Sep-13	16.8	\$26,230	9.0	\$0	\$26,230	\$0	19.2	Check-out DAQ Electrn's (DAQ)			
<b>1.8.2.4.3.2 HALL D SOFTWARE CHECKOUT</b>		<b>29-Jan-13</b>	<b>30-Sep-13</b>	<b>34.2</b>	<b>\$155,191</b>	<b>57.1</b>	<b>\$0</b>	<b>\$155,191</b>	<b>\$0</b>	<b>20.6</b>	<b>30-Sep-13, 1:8,2:4:3:2 HALL D SOFTWARE CHECKOUT</b>			
182432000	Check-out Front-End Software	04-Mar-13	30-Sep-13	29.6	\$18,822	6.5	\$0	\$18,822	\$0	16.0	Check-out Front-End Software			
182432005	Check-out Monitoring	01-Aug-13	30-Sep-13	8.4	\$15,279	5.2	\$0	\$15,279	\$0	10.6	Check-out Monitoring			
182432010	Check-out Alarm Sys	17-Jul-13	30-Sep-13	10.6	\$9,505	3.3	\$0	\$9,505	\$0	9.8	Check-out Alarm Sys			
182432015	Check-out Archiving Sys	09-Apr-13	30-Sep-13	24.4	\$15,516	5.3	\$0	\$15,516	\$0	10.8	Check-out Archiving Sys			
182432020	Check-out Event Displays	15-Feb-13	30-Sep-13	31.6	\$10,047	7.0	\$0	\$10,047	\$0	18.0	Check-out Event Displays			
182432025	Check-out Storage Mngmnt Software	09-Apr-13	30-Sep-13	24.4	\$13,583	4.9	\$0	\$13,583	\$0	10.8	Check-out Storage Mngmnt Software			
182432030	Check-out Experiment Control Software Framework	02-Apr-13	30-Sep-13	25.4	\$5,384	1.8	\$0	\$5,384	\$0	11.8	Check-out Experiment Control Software Framework			
182432035	Check-out Experiment Control Software Display Management	16-Apr-13	30-Sep-13	23.4	\$4,960	1.7	\$0	\$4,960	\$0	9.8	Check-out Experiment Control Software Display Management			
182432040	Check-out Experiment Control Software Backup/Restore	04-Apr-13	30-Sep-13	25.0	\$5,299	1.8	\$0	\$5,299	\$0	11.4	Check-out Experiment Control Software Backup/Restore			
182432045	Check-out Experiment Control Software Magnet PS	09-Apr-13	30-Sep-13	24.4	\$5,172	1.8	\$0	\$5,172	\$0	10.8	Check-out Experiment Control Software Magnet PS			
182432050	Check-out Experiment Control Software HV	29-Jan-13	30-Sep-13	34.2	\$7,249	2.5	\$0	\$7,249	\$0	20.6	Check-out Experiment Control Software HV			
182432055	Check-out Experiment Control Software LV	29-Jan-13	30-Sep-13	34.2	\$5,437	1.9	\$0	\$5,437	\$0	20.6	Check-out Experiment Control Software LV			
182432060	Check-out Experiment Control Software Motors	21-Feb-13	30-Sep-13	31.0	\$6,571	2.3	\$0	\$6,571	\$0	17.4	Check-out Experiment Control Software Motors			
182432065	Check-out Experiment Control Software Gas Systems	09-Apr-13	30-Sep-13	24.4	\$3,879	1.3	\$0	\$3,879	\$0	10.8	Check-out Experiment Control Software Gas Systems			
182432070	Check-out Experiment Control Software Temperature	09-Apr-13	30-Sep-13	24.4	\$5,172	1.8	\$0	\$5,172	\$0	10.8	Check-out Experiment Control Software Temperature			
182432075	Check-out Experiment Control Software Target	12-Mar-13	30-Sep-13	28.4	\$6,020	2.1	\$0	\$6,020	\$0	14.8	Check-out Experiment Control Software Target			
182432080	Check-out Experiment Control Software DAQ Interface	21-Feb-13	30-Sep-13	31.0	\$3,285	1.1	\$0	\$3,285	\$0	17.4	Check-out Experiment Control Software DAQ Interface			
182432085	Level 1 Trigger Expert Software	10-Apr-13	30-Sep-13	24.2	\$14,015	4.8	\$0	\$14,015	\$0	10.6	Level 1 Trigger Expert Software			
<b>1.8.2.4.4 HALL D TRIGGER AND ELECTRONICS CHECKOUT</b>		<b>01-Oct-12</b>	<b>30-Sep-13</b>	<b>49.6</b>	<b>\$159,499</b>	<b>58.9</b>	<b>\$0</b>	<b>\$159,499</b>	<b>\$0</b>	<b>28.4</b>	<b>30-Sep-13, 1:8,2:4:4 HALL D TRIGGER AND ELECTRONICS</b>			
<b>1.8.2.4.4.3 HALL D TRIGGER BOARDS ACCEPTANCE TESTING</b>		<b>01-Oct-12</b>	<b>30-Sep-13</b>	<b>49.6</b>	<b>\$124,947</b>	<b>42.9</b>	<b>\$0</b>	<b>\$124,947</b>	<b>\$0</b>	<b>22.4</b>	<b>30-Sep-13, 1:8,2:4:4:3 HALL D TRIGGER BOARDS ACC</b>			
182443000	Acceptance test of TS board (FE grp)	01-Mar-13	30-Jul-13	21.2	\$17,474	6.0	\$0	\$17,474	\$0	31.0	Acceptance test of TS board (FE grp)			
182443005	Acceptance test of TI boards (FE grp) FY13	01-Oct-12	18-Jan-13	14.4	\$11,335	3.9	\$0	\$11,335	\$0	27.6	Acceptance test of TI boards (FE grp) FY13			
182443010	Acceptance test of CTP boards (FE grp)	10-Jan-13	30-May-13	19.6	\$23,299	8.0	\$0	\$23,299	\$0	9.4	Acceptance test of CTP boards (FE grp)			
182443015	Acceptance test of SSP boards (FE grp)	10-Jan-13	30-May-13	19.6	\$23,299	8.0	\$0	\$23,299	\$0	9.4	Acceptance test of SSP boards (FE grp)			
182443020	Acceptance test of GTP boards (FE grp)	09-May-13	30-Jul-13	11.4	\$20,387	7.0	\$0	\$20,387	\$0	31.0	Acceptance test of GTP boards (FE grp)			
182443025	Trigger Calibration (Hall D grp)	01-Oct-12	30-Sep-13	49.6	\$29,152	10.0	\$0	\$29,152	\$0	2.6	Trigger Calibration (Hall D grp)			
<b>1.8.2.4.4.6 HALL D DETECTOR ELECTRONICS BOARDS CHECKOUT</b>		<b>01-Oct-12</b>	<b>19-Jul-13</b>	<b>39.6</b>	<b>\$33,552</b>	<b>16.0</b>	<b>\$0</b>	<b>\$33,552</b>	<b>\$0</b>	<b>38.4</b>	<b>19-Jul-13, 1:8,2:4:4:6 HALL D DETECTOR ELECTRONICS B</b>			
182446000	Test Power Distribution FY13	01-Oct-12	12-Oct-12	2.0	\$2,410	0.8	\$0	\$2,410	\$0	59.0	Test Power Distribution FY13			
182446005	Test BCAL Readout System	08-Oct-12	16-Nov-12	6.0	\$8,232	4.1	\$0	\$8,232	\$0	59.0	Test BCAL Readout System			
182446010	Test Pair Spectrometer PS Readout Board	05-Dec-12	23-Jan-13	5.8	\$5,572	2.5	\$0	\$5,572	\$0	58.6	Test Pair Spectrometer PS Readout Board			
182446015	Test Pair Spectrometer Transition Board	05-Nov-12	18-Dec-12	6.0	\$1,548	0.9	\$0	\$1,548	\$0	62.4	Test Pair Spectrometer Transition Board			
182446020	Test Pair Spectrometer Power Distribution	19-Nov-12	09-Jan-13	6.0	\$1,548	0.9	\$0	\$1,548	\$0	60.4	Test Pair Spectrometer Power Distribution			
182446025	Test Pair Spectrometer System	24-Jan-13	26-Feb-13	4.6	\$5,572	2.5	\$0	\$5,572	\$0	58.6	Test Pair Spectrometer System			
182446030	Test Start Counter Readout Board	13-May-13	14-Jun-13	4.8	\$5,572	2.5	\$0	\$5,572	\$0	43.2	Test Start Counter Readout Board			
182446035	Test Start Counter Transition Board	20-May-13	21-Jun-13	4.8	\$1,548	0.9	\$0	\$1,548	\$0	42.2	Test Start Counter Transition Board			
182446040	Test Start Counter Power Distribution	10-Jun-13	19-Jul-13	5.8	\$1,548	0.9	\$0	\$1,548	\$0	38.4	Test Start Counter Power Distribution			
<b>1.9 VA STATE</b>		<b>01-Mar-10</b>	<b>22-Aug-13</b>	<b>173.6</b>	<b>\$0</b>	<b>25.1</b>	<b>\$4,999,979</b>	<b>\$5,206,974</b>	<b>\$164,947</b>	<b>21.6</b>	<b>22-Aug-13, 1:9 VA STATE</b>			
<b>1.9.5 HALL D - VA STATE</b>		<b>01-Mar-10</b>	<b>29-Mar-13</b>	<b>153.2</b>	<b>\$0</b>	<b>0.0</b>	<b>\$4,259,474</b>	<b>\$4,259,474</b>	<b>\$0</b>	<b>42.0</b>	<b>29-Mar-13, 1:9:5 HALL D - VA STATE</b>			
<b>1.9.5.2 HALL D DETECTORS</b>		<b>01-Mar-10</b>	<b>29-Mar-13</b>	<b>153.2</b>	<b>\$0</b>	<b>0.0</b>	<b>\$4,259,474</b>	<b>\$4,259,474</b>	<b>\$0</b>	<b>42.0</b>	<b>29-Mar-13, 1:9:5:2 HALL D DETECTORS</b>			
<b>1.9.5.2.1 HALL D TRACKING</b>		<b>06-Apr-10</b>	<b>29-Mar-13</b>	<b>148.0</b>	<b>\$0</b>	<b>0.0</b>	<b>\$422,401</b>	<b>\$422,401</b>	<b>\$0</b>	<b>15.2</b>	<b>29-Mar-13, 1:9:5:2:1 HALL D TRACKING</b>			
<b>1.9.5.2.1.2 HALL D CENTRAL CHAMBERS</b>		<b>06-Apr-10</b>	<b>29-Mar-13</b>	<b>148.0</b>	<b>\$0</b>	<b>0.0</b>	<b>\$422,401</b>	<b>\$422,401</b>	<b>\$0</b>	<b>15.2</b>	<b>29-Mar-13, 1:9:5:2:1:2 HALL D CENTRAL CHAMBERS</b>			
195212010	Procurement epoxy with delivery in phases (P1 Construction Setup & Straw Penetration)	06-Apr-10	30-Jul-10	16.4	\$0	0.0	\$22,373	\$22,373	\$0	15.2	(P1 Construction Setup & Straw Penetration)			
195212015	Installation mandril and end plates (P1 Construction Setup & Straw Penetration)	06-Apr-10	30-Jul-10	16.4	\$0	0.0	\$6,391	\$6,391	\$0	15.2	Installation mandril and end plates (P1 Construction Setup & Straw Penetration)			

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