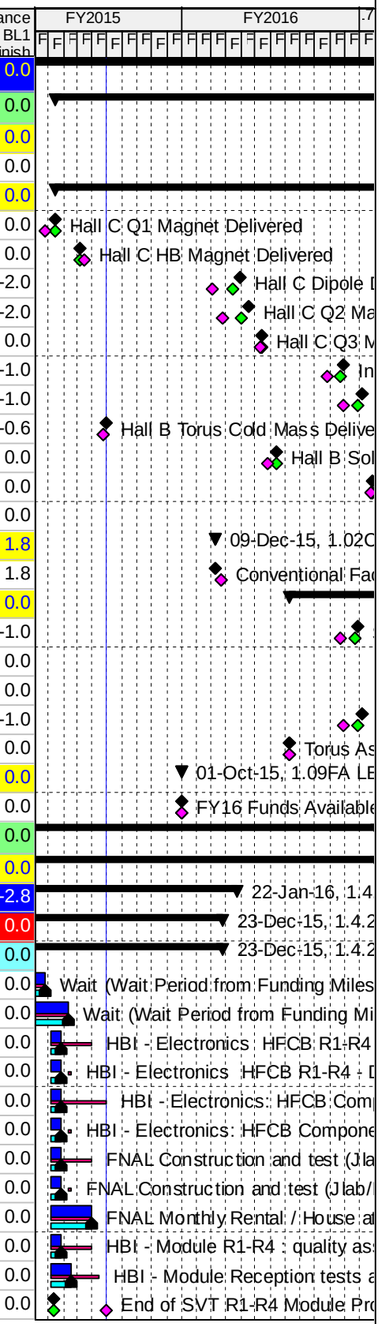
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
April 15 Progress 12 GeV CR14-021,15-01,02,03,04,06,05					03-Sep-1	29-Sep-17	29-Sep-17	0.0		$7,925,945	$2,023,929	$26,872,887	($951,668)	0.0
1.M MILESTONES					14-Jan-1	29-Sep-17	29-Sep-17	0.0		$0	$0	$0	$0	0.0
1.01 LEVEL 1 MILESTONES					29-Sep-17	29-Sep-17	29-Sep-17	0.0		$0	$0	$0	$0	0.0
1-8M			M	CD-4B (Approve Proj Compltn & Start of Operations)		29-Sep-17*	29-Sep-17	0.0	0%	$0	$0	$0	$0	0.0
1.02H LEVEL 2 HALLS A, B & C MILESTONES					14-Jan-1	13-Dec-16	08-Dec-16	39.6		$0	$0	$0	$0	0.0
2-27M			M	Hall C Q1 Magnet Delivered		14-Jan-15	23-Dec-14		100%	$0	$0	$0	$0	0.0
2-28M			M	Hall C HB Magnet Delivered		06-Mar-1	16-Mar-15		100%	$0	$0	$0	$0	0.0
2-29M			M	Hall C Dipole Delivered		28-Jan-16	02-Dec-15	48.8	0%	$0	$0	$0	$0	-2.0
2-30M			M	Hall C Q2 Magnet Delivered		16-Feb-16	23-Dec-15	56.4	0%	$0	$0	$0	$0	-2.0
2-31M			M	Hall C Q3 Magnet Delivered		14-Mar-16	10-Mar-16	54.6	0%	$0	$0	$0	$0	0.0
2-32M			M	Installation of Expermental Equipment into H-C is Completed		30-Aug-16	26-Jul-16	48.8	0%	$0	$0	$0	$0	-1.0
2-33M			M	Hall C Beam Commissioning Complete		05-Oct-16	30-Aug-16	48.8	0%	$0	$0	$0	$0	-1.0
2-34M			M	Hall B Torus Cold Mass Delivered		30-Apr-15	23-Apr-15		100%	$0	$0	$0	$0	-0.6
2-35M			M	Hall B Solenoid Cryostated Coil Delivered		12-Apr-16	25-Mar-16	38.4	0%	$0	$0	$0	$0	0.0
2-36M			M	Installation of Expermental Equipment into H-B is Completed		28-Oct-16	25-Oct-16	38.4	0%	$0	$0	$0	$0	0.0
2-37M			M	Hall B Beam Commissioning Complete		13-Dec-16	08-Dec-16	38.4	0%	$0	$0	$0	$0	0.0
1.02C LEVEL 2 CIVIL MILESTONES					09-Dec-15	09-Dec-15	22-Dec-15	89.8		$0	$0	$0	$0	1.8
2-38M			M	Conventional Facilt's Comptd		09-Dec-15	22-Dec-15	89.4	0%	$0	$0	$0	$0	1.8
1.03P LEVEL 3 PHYSICS MILESTONES					09-May-16	13-Dec-16	08-Dec-16	39.6		$0	$0	$0	$0	0.0
3P-18M			M	Start E-B Commssng of H-C Detctr's, Electrnc's, & BL Devices	29-Sep-16			48.8	0%	$0	$0	$0	$0	-1.0
3P-20M			M	Start E-B Commssng of H-B Detctr's, Electrnc's, & BL Devices	30-Nov-16			38.4	0%	$0	$0	$0	$0	0.0
3P-21M			M	E-B Commssng of H-B Detctr's, Electrnc's, & BL Devices Comptd		13-Dec-16	08-Dec-16	39.4	0%	$0	$0	$0	$0	0.0
3P-22M			M	E-B Commssng of H-C Detctr's, Electrnc's, & BL Devices Comptd		05-Oct-16	30-Aug-16	48.8	0%	$0	$0	$0	$0	-1.0
3P-26M			M	Torus Assembled and Tested	09-May-16			62.8	0%	$0	$0	$0	$0	0.0
1.09FA LEVEL 9 FUNDING AVAILABLE MILESTONES					01-Oct-15	01-Oct-15	01-Oct-15	0.0		$0	$0	$0	$0	0.0
9-160M			M	FY16 Funds Available	01-Oct-15*			0.0	0%	$0	$0	$0	$0	0.0
1.4 CONSTRUCTION UPGRADE HALLS A, B, & C					03-Sep-1	04-Nov-16	01-Nov-16	44.6		$5,980,829	$1,790,653	$19,526,385	($1,141,818)	0.0
1.4.2 CONSTRUCTION HALL B					03-Sep-1	04-Nov-16	01-Nov-16	44.6		$4,069,108	$1,460,006	$12,704,988	($563,578)	0.0
1.4.2.2 DETECTORS					03-Sep-1	22-Jan-16	23-Dec-15	78.0		$533,394	$157,637	$1,076,667	($301,590)	-2.8
1.4.2.2.1 TRACKING					01-Oct-1	23-Dec-15	23-Dec-15	80.8		$167,291	$48,771	$210,983	($38,169)	0.0
1.4.2.2.1.1 SILICON DETECTOR					01-Oct-1	23-Dec-15	23-Dec-15	80.8		$167,291	$48,771	$210,983	($38,169)	0.0
242211280			Z	Wait (Wait Period from Funding Milestone)	01-Oct-1	23-Dec-1	23-Dec-14		100%	$0	$0	$0	$0	0.0
242211282			Z	Wait (Wait Period from Funding Milestone)	01-Oct-1	09-Feb-1	09-Feb-15		100%	$0	$0	$0	$0	0.0
242211290			U	HBI - Electronics HFCB R1-R4 - Proc	05-Jan-1	27-Jan-15	31-Mar-15		100%	$56,350	$0	$56,350	$0	0.0
242211290A			H	HBI - Electronics HFCB R1-R4 - De-Obligation of Extra Boards	05-Jan-1	27-Jan-15	16-Feb-15		100%	($33,348)	$0	($33,348)	$0	0.0
242211295			U	HBI - Electronics: HFCB Component Population - Proc	05-Jan-1	27-Jan-15	30-Apr-15		100%	$8,120	$0	$8,120	$0	0.0
242211295A			U	HBI - Electronics: HFCB Component Population - De-Obligation of Extra Board	05-Jan-1	27-Jan-15	16-Feb-15		100%	($5,290)	$0	($5,290)	$0	0.0
242211300			D	FNAL Construction and test (Jlab/FNAL) of R4 production modules	05-Jan-1	27-Jan-15	31-Mar-15		100%	$50,858	$0	$50,858	$0	0.0
242211300A			H	FNAL Construction and test (Jlab/FNAL) De-Obligation of Extra Module Fabrica	05-Jan-1	27-Jan-15	16-Feb-15		100%	($50,858)	$0	($50,858)	$0	0.0
242211305			E	FNAL Monthly Rental / House at FNAL	05-Jan-1	31-Mar-1	31-Mar-15		100%	$7,319	$0	$7,319	$0	0.0
242211337			U	HBI - Module R1-R4 : quality assurance, test, and burn-in at FNAL - Labor	05-Jan-1	27-Jan-15	31-Mar-15		100%	$5,860	$0	$5,860	$0	0.0
242211339			U	HBI - Module Reception tests at JLAB	05-Jan-1	16-Feb-1	15-Apr-15		100%	$12,413	$0	$12,413	$0	0.0
242211339M			M	End of SVT R1-R4 Module Production		12-Jan-15	30-Apr-15		100%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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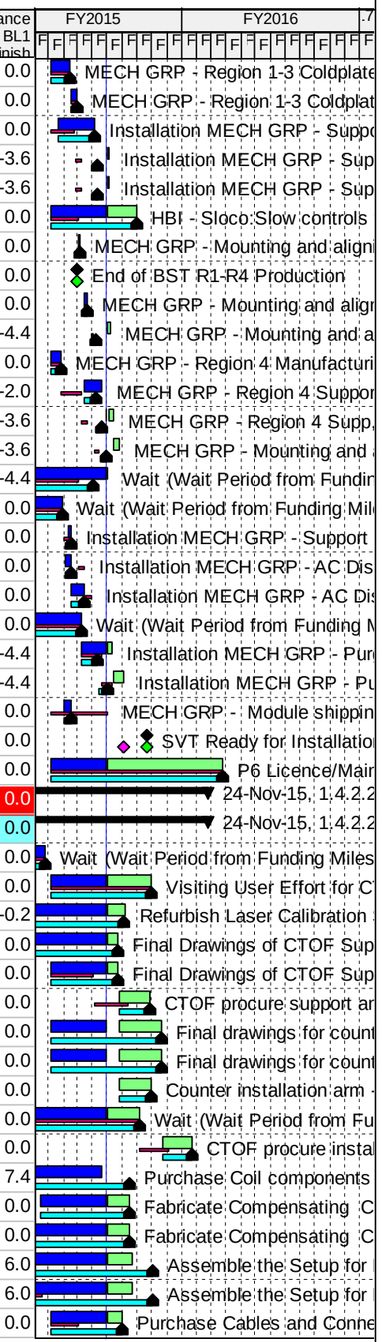
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242211345			D	MECH GRP - Region 1-3 Coldplate - Proc	05-Jan-15	13-Feb-15	13-Feb-15		100%	$20,000	$0	$20,000	$0	0.0
242211350			H	MECH GRP - Region 1-3 Coldplate - construct & assemble - Labor	16-Feb-15	27-Feb-15	27-Feb-15		100%	$4,874	$0	$4,874	$0	0.0
242211352			D	Installation MECH GRP - Support and alignment tube (R4) - Proc	22-Jan-15	06-Apr-15	23-Feb-15		100%	$24,000	$24,000	$24,000	$0	0.0
242211355			H	Installation MECH GRP - Support and alignment (construction) (R4) - Labor	01-May-15	06-May-15	09-Mar-15	102.0	0%	$0	$0	$5,035	($5,035)	-3.6
242211365			H	Installation MECH GRP - Support and alignment (construction) (R4) - OBLIGAT	01-May-15	06-May-15	09-Mar-15	102.0	0%	$0	$0	$2,509	($2,509)	-3.6
242211402		ST	S	HBI - Sloco:Slow controls for monitor and charge calib system: develop sloco s	05-Jan-15	30-Jun-15	02-Mar-15	99.0	52%	$9,717	$4,672	$18,686	($8,969)	0.0
242211487		ST	S	MECH GRP - Mounting and aligning on support structure in lab, R1 - Labor	02-Mar-15	07-Mar-15	06-Mar-15		100%	$3,414	$0	$3,414	$0	0.0
242211495M			M	End of BST R1-R4 Production		27-Feb-15			100%	$0	$0	$0	$0	0.0
242211497		ST	S	MECH GRP - Mounting and aligning on support structure in lab, R2 - Labor	15-Mar-15	21-Mar-15	20-Mar-15		100%	$3,518	$0	$3,518	$0	0.0
242211507		ST	S	MECH GRP - Mounting and aligning on support structure in lab, R3 - Labor	01-May-15	07-May-15	03-Apr-15	101.8	0%	$0	$0	$3,518	($3,518)	-4.4
242211517		ST	S	MECH GRP - Region 4 Manufacturing Drawings Cold Plate	05-Jan-15	26-Jan-15	26-Jan-15		100%	$11,540	$0	$11,540	$0	0.0
242211535			D	MECH GRP - Region 4 Support, cooling, coldplate, and alignment structure: - I	16-Mar-15	21-Apr-15	09-Mar-15		100%	$20,000	$20,000	$20,000	$0	-2.0
242211540		ST	S	MECH GRP - Region 4 Supp, cool, coldplate, and alignment structure: const &	29-Apr-15	14-May-15	20-Mar-15	100.8	0%	$0	$0	$6,827	($6,827)	-3.6
242211550		ST	S	MECH GRP - Mounting and aligning on support structure in lab, R4 - Labor	15-May-15	26-May-15	14-Apr-15	100.8	0%	$0	$0	$6,827	($6,827)	-3.6
242211760			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	01-May-15	02-Mar-15	100.8	0%	$0	$0	$0	$0	-4.4
242211765			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	30-Jan-15	30-Jan-15		100%	$0	$0	$0	$0	0.0
242211835			H	Installation MECH GRP - Support and alignment tube (construction) - Labor	09-Feb-15	16-Feb-15	13-Feb-15		100%	$5,035	$0	$5,035	$0	0.0
242211840			H	Installation MECH GRP - AC Distribution - proc prep - Labor	03-Feb-15	16-Feb-15	16-Mar-15		100%	$1,940	$0	$1,940	$0	0.0
242211845			D	Installation MECH GRP - AC Distribution - Proc	16-Feb-15	16-Mar-15	31-Mar-15		100%	$8,076	$0	$8,076	$0	0.0
242211878			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	08-Mar-15	09-Mar-15		100%	$0	$0	$0	$0	0.0
242211880			D	Installation MECH GRP - Purging system: installation - Proc	09-Mar-15	12-May-15	20-Apr-15	102.6	10%	$302	$0	$3,022	($2,719)	-4.4
242211895			H	Installation MECH GRP - Purging system: installation in clean room- Labor	13-May-15	04-Jun-15	11-May-15	102.6	0%	$0	$0	$6,988	($2,662)	-4.4
242211900			D	MECH GRP - Module shipping Charges from FNAL to Jlab - Proc	02-Feb-15	16-Feb-15	01-May-15		100%	$3,354	$0	$3,354	$798	0.0
242211918M			M	SVT Ready for Installation		22-Jul-15	03-Jun-15	99.0	0%	$0	$0	$0	$0	0.0
242211950			D	P6 Licence/Maintenance	05-Jan-15	23-Dec-15	23-Dec-15	80.6	25%	$99	$99	$397	$99	0.0
1.4.2.2.3 TIME OF FLIGHT					02-Dec-13	24-Nov-15	11-Sep-15	82.2		$205,805	$77,123	$469,254	($160,696)	0.0
1.4.2.2.3.1 CENTRAL TOF					02-Dec-13	24-Nov-15	11-Sep-15	82.2		$205,805	$77,123	$469,254	($160,696)	0.0
242231000			E	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242231005			E	Visiting User Effort for CTOF	05-Jan-15	31-Jul-15	31-Jul-15	98.2	56.85%	$10,960	$2,905	$19,278	$0	0.0
242231115			U	Refurbish Laser Calibration System (New not Refurb)	02-Dec-13	08-Jun-15	02-Sep-14	98.4	75%	$18,647	$0	$24,863	($6,216)	-0.2
242231260		ST	S	Final Drawings of CTOF Support and Solenoid Harness	03-Jan-14	22-May-15	23-May-14	82.0	60%	$4,925	$0	$8,208	($3,283)	0.0
242231261		ST	S	Final Drawings of CTOF Support and Solenoid Harness Additional Labor FY15 E	05-Jan-15	22-May-15	03-Apr-15	94.2	60%	$7,623	$0	$12,706	($5,082)	0.0
242231265			D	CTOF procure support and solenoid harness and interface rings	26-May-15	29-Jul-15	12-Jun-15	94.2	0%	$0	$0	$46,930	$0	0.0
242231270		ST	S	Final drawings for counter installation arm - cart and transport rack FY14	05-Jan-15	21-Aug-15	30-Sep-14	82.0	35%	$8,433	$3,614	$24,096	($15,662)	0.0
242231270A		ST	S	Final drawings for counter installation arm - cart and transport rack FY15	05-Jan-15	21-Aug-15	07-Oct-14	82.0	35%	$191	$82	$545	($354)	0.0
242231272		ST	S	Counter installation arm - cart and transport rack Engineering Analysis	26-May-15	31-Jul-15	02-Jul-14	85.0	0%	$0	$0	$11,947	($11,947)	0.0
242231273			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	06-Jul-15	06-Jul-15	88.8	0%	$0	$0	$0	$0	0.0
242231275			D	CTOF procure installation tooling and transport rack	24-Aug-15	23-Oct-15	04-Sep-15	82.0	0%	$0	$0	$11,353	$0	0.0
242231290			D	Purchase Coil components and materials	07-Apr-14	21-Apr-15	01-Apr-14		100%	$11,553	$9,243	$11,553	$0	7.4
242231295			D	Fabricate Compensating Coil Machine Shop	15-Dec-14	15-Jun-15	27-May-14	103.4	90%	$7,648	$680	$8,498	($850)	0.0
242231300			D	Fabricate Compensating Coil Procurement	06-Oct-14	15-Jun-15	27-May-14	103.4	13%	$2,748	$0	$21,137	($18,390)	0.0
242231325		ST	S	Assemble the Setup for Magnetic Shields Tests FY14	07-Apr-14	22-Jun-15	30-Sep-14	99.4	40%	$1,151	$0	$2,877	($1,726)	6.0
242231325A		ST	S	Assemble the Setup for Magnetic Shields Tests FY15	07-Apr-14	22-Jun-15	17-Dec-14	99.4	40%	$7,125	$0	$17,812	($10,687)	6.0
242231335A			D	Purchase Cables and Connectors	05-Jan-15	02-Jun-15	03-Mar-15	90.6	53%	$9,909	$0	$18,696	($8,787)	0.0



◆ Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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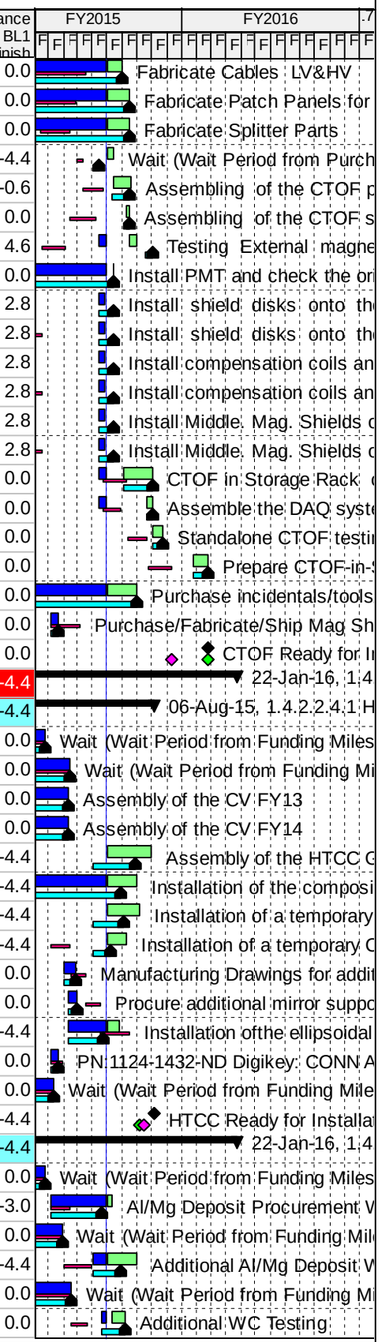
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242231340			U	Fabricate Cables LV&HV	06-Oct-14	02-Jun-15	17-Mar-15	90.6	50%	$6,860	$0	$13,719	($6,860)	0.0
242231355			U	Fabricate Patch Panels for LV&HV (Correction Coil Power Harness)	06-Oct-14	15-Jun-15	26-Feb-15	96.8	33%	$5,158	$0	$15,632	($10,473)	0.0
242231360			H	Fabricate Splitter Parts	06-Oct-14	15-Jun-15	12-Feb-15	97.4	50%	$4,475	$0	$8,949	($4,475)	0.0
242231362			H	Wait (Wait Period from Purchase to Assembly)	01-May-15	13-May-15	12-Mar-15	96.8	0%	$0	$0	$0	$0	-4.4
242231365			U	Assembling of the CTOF patch panels (Cable Work)	14-May-15	18-Jun-15	23-Apr-15	96.8	0%	$0	$0	$8,682	($8,682)	-0.6
242231370			U	Assembling of the CTOF splitters (Cable Work)	11-Jun-15	15-Jun-15	09-Apr-15	97.4	0%	$0	$0	$11,786	($11,786)	0.0
242231385			U	Testing External magnetic shields	13-Apr-15	01-Jul-15	03-Feb-15	98.0	2%	$485	$485	$24,271	($23,785)	4.6
242231390			U	Install PMT and check the orientation	06-Oct-14	15-May-15	14-Jul-14	101.2	28%	$1,902	$1,902	$6,793	($4,891)	0.0
242231395			U	Install shield disks onto the Light guides FY14	14-Apr-15	27-Apr-15	30-Sep-14		100%	$2,500	$2,500	$2,500	$0	2.8
242231395A			U	Install shield disks onto the Light guides FY15	14-Apr-15	27-Apr-15	17-Dec-14		100%	$8,705	$8,705	$8,705	$0	2.8
242231400			U	Install compensation coils and check polarity FY14	14-Apr-15	27-Apr-15	30-Sep-14		100%	$2,688	$2,688	$2,688	$0	2.8
242231400A			U	Install compensation coils and check polarity FY15	14-Apr-15	27-Apr-15	17-Dec-14		100%	$9,361	$9,361	$9,361	$0	2.8
242231405			U	Install Middle. Mag. Shields onto PMT FY14	14-Apr-15	27-Apr-15	30-Sep-14		100%	$5,376	$5,376	$5,376	$0	2.8
242231405A			U	Install Middle. Mag. Shields onto PMT FY15	14-Apr-15	27-Apr-15	17-Dec-14		100%	$18,723	$18,723	$18,723	$0	2.8
242231410			U	CTOF in Storage Rack cabling	13-Apr-15	03-Aug-15	11-Jun-15	90.6	50%	$4,080	$4,080	$8,160	$2,843	0.0
242231415			H	Assemble the DAQ system	13-Apr-15	03-Aug-15	29-May-15	90.6	50%	$3,724	$3,724	$7,448	$2,234	0.0
242231420			H	Standalone CTOF testing/optimizing	04-Aug-15	24-Aug-15	23-Jul-15	90.6	0%	$0	$0	$5,551	$0	0.0
242231425		ST	S	Prepare CTOF-in-Storage-Rack for transportation	26-Oct-15	24-Nov-15	11-Sep-15	82.0	0%	$0	$0	$17,719	$0	0.0
242231430			D	Purchase incidentals/tools/material	02-Jul-14	01-Jul-15	29-May-14	102.4	38%	$7,255	$3,055	$19,093	($11,838)	0.0
242231470			U	Purchase/Fabricate/Ship Mag Shields (Vision Machine)	05-Jan-15	19-Jan-15	06-Mar-15		100%	$33,600	$0	$33,600	$0	0.0
242231470M			M	CTOF Ready for Installation		24-Nov-15	11-Sep-15	82.0	0%	$0	$0	$0	$0	0.0
1.4.2.2.4 CERENKOV					03-Sep-13	22-Jan-16	28-Sep-15	75.6		$160,297	$31,743	$396,431	($102,726)	-4.4
1.4.2.2.4.1 HIGH THRESHOLD CC					03-Sep-13	06-Aug-15	16-Jul-15	97.6		$84,424	$9,594	$132,290	($15,158)	-4.4
242241200		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242241205		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	13-Feb-15	13-Feb-15		100%	$0	$0	$0	$0	0.0
242241450b		ST	S	Assembly of the CV FY13	03-Sep-13	09-Feb-15	30-Sep-13		100%	$5,433	$0	$5,433	$0	0.0
242241450ba		ST	S	Assembly of the CV FY14	03-Sep-13	09-Feb-15	18-Mar-14		100%	$30,831	$0	$30,831	$0	0.0
242241528		ST	S	Assembly of the HTCC Gas System (Gas System Use)	01-May-15	30-Jul-15	03-Jun-14	98.4	0%	$0	$0	$11,519	($11,519)	-4.4
242241610		ST	S	Installation of the composite exit window - Lab	02-May-14	30-Jun-15	12-Sep-14	102.6	55%	$2,082	$0	$3,786	($1,704)	-4.4
242241630			H	Installation of a temporary CO2 gas supply system - Lab (Gas System Use)	01-May-15	06-Jul-15	18-Aug-14	102.0	0%	$0	$0	$6,625	($6,625)	-4.4
242241635			H	Installation of a temporary CO2 gas supply system - Additional Labor FY15 ETC	01-May-15	11-Jun-15	12-Feb-15	105.2	0%	$0	$0	$6,213	($6,213)	-4.4
242241636		ST	S	Manufacturing Drawings for additional mirror supports	02-Feb-15	24-Feb-15	17-Mar-15		100%	$17,716	$0	$17,716	$0	0.0
242241637			D	Procure additional mirror supports	09-Feb-15	28-Feb-15	16-Apr-15		100%	$4,500	$0	$4,500	$0	0.0
242241640		ST	S	Installation ofthe ellipsoidal mirror - Lab	09-Feb-15	27-May-15	15-Jun-15	103.0	50%	$21,806	$9,594	$43,611	$10,903	-4.4
242241642			D	PN:1124-1432-ND Digikey: CONN ADAPT JACK TO JACK 50 OHM (Mfg (Oblig	05-Jan-15	19-Jan-15	30-Jan-15		100%	$2,056	$0	$2,056	$0	0.0
242241646		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	12-Jan-15	12-Jan-15		100%	$0	$0	$0	$0	0.0
242241650M			M	HTCC Ready for Installation in the Hall		06-Aug-15	16-Jul-15	97.4	0%	$0	$0	$0	$0	-4.4
1.4.2.2.4.2 LOW THRESHOLD CC					01-Oct-14	22-Jan-16	28-Sep-15	71.0		$75,874	$22,148	$264,141	($87,568)	-4.4
242242505			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242242512			U	Al/Mg Deposit Procurement WC Procurement	05-Jan-15	11-May-15	13-Feb-15	101.2	70%	$24,038	$3,434	$34,340	($10,302)	-3.0
242242515			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	30-Jan-15	30-Jan-15		100%	$0	$0	$0	$0	0.0
242242517			U	Additional Al/Mg Deposit WC Procurement	01-Apr-15	01-Jul-15	31-Mar-15	97.8	0%	$0	$0	$30,000	($30,000)	-4.4
242242522			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	16-Feb-15	16-Feb-15		100%	$0	$0	$0	$0	0.0
242242525			H	Additional WC Testing	21-Apr-15	08-Jun-15	20-Mar-15	101.2	50%	$1,908	$1,908	$3,815	($1,908)	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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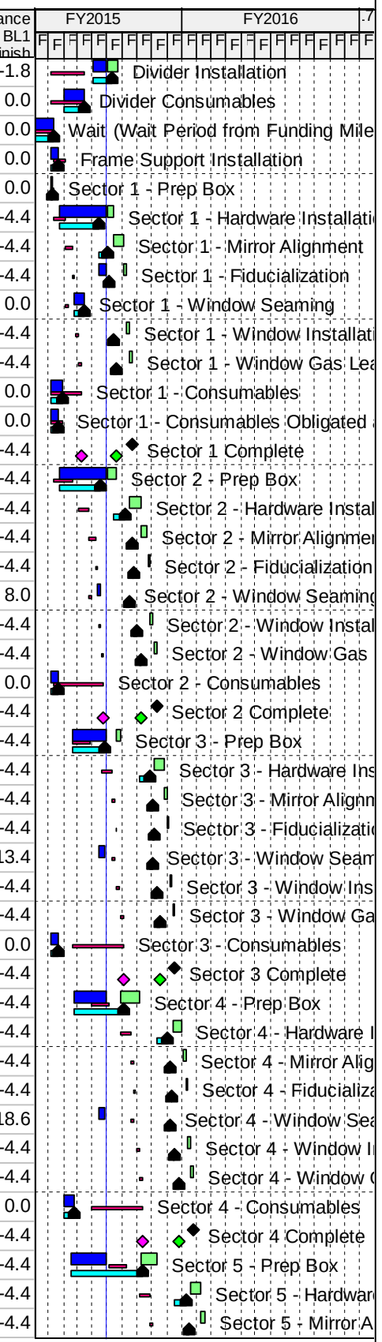
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242242530			U	Divider Installation	01-Apr-15	22-May-15	16-Mar-15	103.0	20%	$3,121	$3,121	$15,606	($12,485)	-1.8
242242535			U	Divider Consumables	02-Feb-15	16-Mar-15	16-Mar-15		100%	$2,000	$0	$2,000	$0	0.0
242242537			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	12-Jan-15	12-Jan-15		100%	$0	$0	$0	$0	0.0
242242540			H	Frame Support Installation	05-Jan-15	19-Jan-15	05-Feb-15		100%	$1,563	$0	$1,563	$0	0.0
242242545			H	Sector 1 - Prep Box	05-Jan-15	09-Jan-15	12-Jan-15		100%	$3,906	$0	$3,906	$0	0.0
242242550		ST	S	Sector 1 - Hardware Installation	23-Jan-15	14-May-15	04-Feb-15	70.8	58.7%	$4,815	$1,444	$8,203	($3,388)	-4.4
242242555			H	Sector 1 - Mirror Alignment	15-May-15	04-Jun-15	18-Feb-15	70.8	0%	$0	$0	$2,908	($2,908)	-4.4
242242560			H	Sector 1 - Fiducialization	13-Apr-15	09-Jun-15	23-Feb-15	70.8	50%	$1,511	$1,511	$3,021	($1,511)	-4.4
242242565			H	Sector 1 - Window Seaming	23-Feb-15	16-Mar-15	11-Feb-15		100%	$2,930	$0	$2,930	$0	0.0
242242570			H	Sector 1 - Window Installation	10-Jun-15	16-Jun-15	02-Mar-15	70.8	0%	$0	$0	$2,930	($2,930)	-4.4
242242575			H	Sector 1 - Window Gas Leaks Checks	17-Jun-15	23-Jun-15	09-Mar-15	99.0	0%	$0	$0	$1,953	($1,953)	-4.4
242242580			U	Sector 1 - Consumables	05-Jan-15	28-Jan-15	09-Mar-15		100%	$350	$0	$350	$0	0.0
242242582			U	Sector 1 - Consumables Obligated at time of ETC	05-Jan-15	19-Jan-15	30-Jan-15		100%	$77	$0	$77	$0	0.0
242242585			M	Sector 1 Complete		23-Jun-15	09-Mar-15	99.0	0%	$0	$0	$0	$0	-4.4
242242590		ST	S	Sector 2 - Prep Box	23-Jan-15	19-May-15	18-Feb-15	74.4	91.8%	$7,172	$0	$7,813	($641)	-4.4
242242595		ST	S	Sector 2 - Hardware Installation	17-Jun-15	09-Jul-15	24-Mar-15	70.8	0%	$0	$0	$8,203	($8,203)	-4.4
242242600			H	Sector 2 - Mirror Alignment	10-Jul-15	23-Jul-15	07-Apr-15	70.8	0%	$0	$0	$2,908	($2,908)	-4.4
242242605			H	Sector 2 - Fiducialization	24-Jul-15	28-Jul-15	10-Apr-15	70.8	0%	$0	$0	$3,021	($3,021)	-4.4
242242610			H	Sector 2 - Window Seaming	10-Apr-15	16-Apr-15	31-Mar-15		100%	$2,930	$2,930	$2,930	$0	8.0
242242615			H	Sector 2 - Window Installation	29-Jul-15	04-Aug-15	17-Apr-15	70.8	0%	$0	$0	$2,930	($2,930)	-4.4
242242620			H	Sector 2 - Window Gas Leaks Checks	05-Aug-15	11-Aug-15	24-Apr-15	92.2	0%	$0	$0	$1,953	($1,953)	-4.4
242242625			U	Sector 2 - Consumables	05-Jan-15	19-Jan-15	24-Apr-15		100%	$350	$0	$350	$0	0.0
242242630			M	Sector 2 Complete		11-Aug-15	24-Apr-15	92.2	0%	$0	$0	$0	$0	-4.4
242242635		ST	S	Sector 3 - Prep Box	19-Feb-15	28-May-15	27-Mar-15	77.4	79.6%	$6,219	$320	$7,813	($1,594)	-4.4
242242640		ST	S	Sector 3 - Hardware Installation	05-Aug-15	26-Aug-15	11-May-15	70.8	0%	$0	$0	$8,203	($4,614)	-4.4
242242645			H	Sector 3 - Mirror Alignment	27-Aug-15	02-Sep-15	18-May-15	70.8	0%	$0	$0	$2,908	$0	-4.4
242242650			H	Sector 3 - Fiducialization	03-Sep-15	04-Sep-15	20-May-15	70.8	0%	$0	$0	$3,021	$0	-4.4
242242655			H	Sector 3 - Window Seaming	13-Apr-15	27-Apr-15	18-May-15		100%	$2,930	$2,930	$2,930	$2,930	13.4
242242660			H	Sector 3 - Window Installation	08-Sep-15	11-Sep-15	27-May-15	70.8	0%	$0	$0	$2,930	$0	-4.4
242242665			H	Sector 3 - Window Gas Leaks Checks	14-Sep-15	17-Sep-15	03-Jun-15	87.0	0%	$0	$0	$1,953	$0	-4.4
242242670			U	Sector 3 - Consumables	05-Jan-15	19-Jan-15	03-Jun-15		100%	$350	$0	$350	$105	0.0
242242675			M	Sector 3 Complete		17-Sep-15	03-Jun-15	87.0	0%	$0	$0	$0	$0	-4.4
242242680		ST	S	Sector 4 - Prep Box	23-Feb-15	08-Jul-15	05-May-15	77.4	46.8%	$3,656	$156	$7,813	($3,288)	-4.4
242242685		ST	S	Sector 4 - Hardware Installation	14-Sep-15	02-Oct-15	18-Jun-15	70.8	0%	$0	$0	$8,203	$0	-4.4
242242690			H	Sector 4 - Mirror Alignment	05-Oct-15	09-Oct-15	25-Jun-15	70.8	0%	$0	$0	$2,908	$0	-4.4
242242695			H	Sector 4 - Fiducialization	12-Oct-15	13-Oct-15	29-Jun-15	70.8	0%	$0	$0	$3,021	$0	-4.4
242242700			H	Sector 4 - Window Seaming	13-Apr-15	27-Apr-15	25-Jun-15		100%	$2,930	$2,930	$2,930	$2,930	18.6
242242705			H	Sector 4 - Window Installation	14-Oct-15	19-Oct-15	06-Jul-15	70.8	0%	$0	$0	$2,930	$0	-4.4
242242710			H	Sector 4 - Window Gas Leaks Checks	20-Oct-15	26-Oct-15	13-Jul-15	81.6	0%	$0	$0	$1,953	$0	-4.4
242242715			U	Sector 4 - Consumables	02-Feb-15	23-Feb-15	13-Jul-15		100%	$350	$0	$350	$235	0.0
242242720			M	Sector 4 Complete		26-Oct-15	13-Jul-15	81.6	0%	$0	$0	$0	$0	-4.4
242242725		ST	S	Sector 5 - Prep Box	16-Feb-15	12-Aug-15	11-Jun-15	77.4	6.1%	$477	$0	$7,813	$477	-4.4
242242730		ST	S	Sector 5 - Hardware Installation	20-Oct-15	10-Nov-15	28-Jul-15	70.8	0%	$0	$0	$8,203	$0	-4.4
242242735			H	Sector 5 - Mirror Alignment	11-Nov-15	17-Nov-15	04-Aug-15	70.8	0%	$0	$0	$2,908	$0	-4.4



Primary Baseline Milestone | Primary Baseline | Remaining Work
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TASK filter: RESP - Responsibility to use After FY15E.

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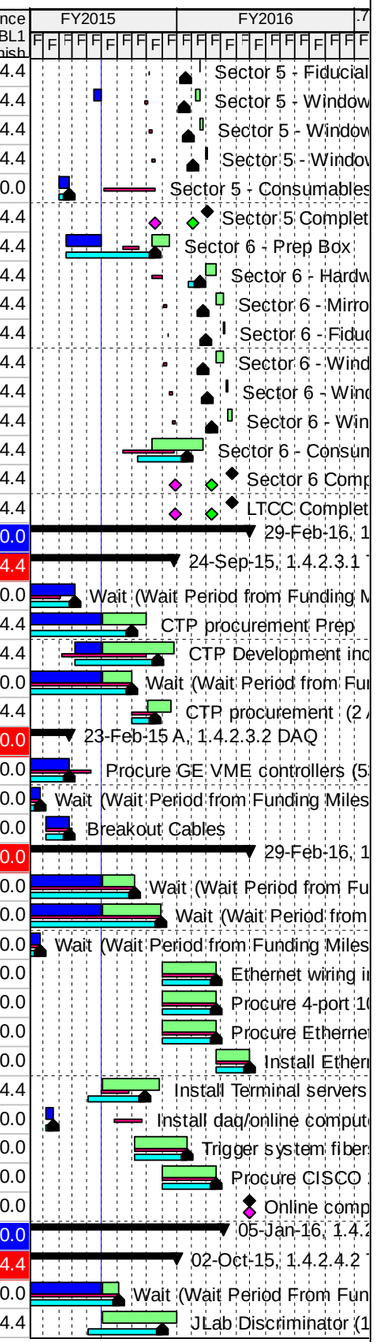
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242242740			H	Sector 5 - Fiducialization	18-Nov-15	19-Nov-15	06-Aug-15	70.8	0%	$0	$0	$3,021	$0	-4.4
242242745			H	Sector 5 - Window Seaming	13-Apr-15	17-Nov-15	04-Aug-15	71.2	50%	$1,465	$1,465	$2,930	$1,465	-4.4
242242750			H	Sector 5 - Window Installation	20-Nov-15	25-Nov-15	12-Aug-15	70.8	0%	$0	$0	$2,930	$0	-4.4
242242755			H	Sector 5 - Window Gas Leaks Checks	30-Nov-15	04-Dec-15	19-Aug-15	76.2	0%	$0	$0	$1,953	$0	-4.4
242242760			U	Sector 5 - Consumables	02-Feb-15	23-Feb-15	19-Aug-15		100%	$350	$0	$350	$350	0.0
242242765			M	Sector 5 Complete		04-Dec-15	19-Aug-15	76.2	0%	$0	$0	$0	$0	-4.4
242242770		ST	S	Sector 6 - Prep Box	16-Feb-15	17-Sep-15	17-Jul-15	80.6	6.1%	$477	$0	$7,813	$477	-4.4
242242775		ST	S	Sector 6 - Hardware Installation	30-Nov-15	21-Dec-15	03-Sep-15	70.8	0%	$0	$0	$8,203	$0	-4.4
242242780			H	Sector 6 - Mirror Alignment	22-Dec-15	06-Jan-16	11-Sep-15	70.8	0%	$0	$0	$2,908	$0	-4.4
242242785			H	Sector 6 - Fiducialization	07-Jan-16	08-Jan-16	15-Sep-15	70.8	0%	$0	$0	$3,021	$0	-4.4
242242790			H	Sector 6 - Window Seaming	22-Dec-15	06-Jan-16	11-Sep-15	71.2	0%	$0	$0	$2,930	$0	-4.4
242242795			H	Sector 6 - Window Installation	11-Jan-16	14-Jan-16	21-Sep-15	70.8	0%	$0	$0	$2,930	$0	-4.4
242242800			H	Sector 6 - Window Gas Leaks Checks	15-Jan-16	22-Jan-16	28-Sep-15	70.8	0%	$0	$0	$1,953	$0	-4.4
242242805			U	Sector 6 - Consumables	13-Aug-15	24-Nov-15	24-Sep-15	77.4	0%	$0	$0	$350	$0	-4.4
242242810			M	Sector 6 Complete		22-Jan-16	28-Sep-15	70.8	0%	$0	$0	$0	$0	-4.4
242242900M			M	LTCC Complete		22-Jan-16	28-Sep-15	70.8	0%	$0	$0	$0	$0	-4.4
1.4.2.3 COMPUTING					01-Aug-14	29-Feb-16	29-Feb-16	72.8		$224,510	$0	$569,921	$9,075	0.0
1.4.2.3.1 TRIGGER SYSTEM (Scintillators)					01-Aug-14	24-Sep-15	18-Aug-15	68.4		$17,987	$0	$136,822	($12,420)	-4.4
24231002			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	06-Mar-15	05-Feb-15		100%	$0	$0	$0	$0	0.0
24231005			H	CTP procurement Prep	01-Aug-14	31-Jul-15	28-Oct-14	69.0	50%	$3,101	$0	$6,202	($3,101)	-4.4
24231006		ST	S	CTP Development including basic trigger firmware	07-Mar-15	24-Sep-15	31-Jul-15	68.2	30%	$14,886	$0	$49,619	($9,319)	-4.4
24231011			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	30-Jun-15	30-Jun-15	73.4	0%	$0	$0	$0	$0	0.0
24231012			U	CTP procurement (2 Additional boards)	03-Aug-15	18-Sep-15	18-Aug-15	69.0	0%	$0	$0	$81,000	$0	-4.4
1.4.2.3.2 DAQ					22-Sep-14	23-Feb-15	09-Apr-15			$184,801	$0	$184,801	$0	0.0
24232022			U	Procure GE VME controllers (53)	22-Sep-14	23-Feb-15	09-Apr-15		100%	$183,009	$0	$183,009	$0	0.0
24232030			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24232035			U	Breakout Cables	05-Jan-15	23-Feb-15	27-Feb-15		100%	$1,792	$0	$1,792	$0	0.0
1.4.2.3.3 ONLINE COMPUTING					01-Oct-14	29-Feb-16	29-Feb-16	72.8		$21,722	$0	$248,298	$21,495	0.0
24233000			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	06-Jul-15	06-Jul-15	88.8	0%	$0	$0	$0	$0	0.0
24233002			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Aug-15	31-Aug-15	72.6	0%	$0	$0	$0	$0	0.0
24233005			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24233010			D	Ethernet wiring inside Hall B (10Gbit)	01-Sep-15	22-Dec-15	22-Dec-15	80.8	0%	$0	$0	$44,722	$0	0.0
24233030			U	Procure 4-port 10GBit Blades for BigIron	01-Sep-15	22-Dec-15	22-Dec-15	76.8	0%	$0	$0	$53,241	$0	0.0
24233040			D	Procure Ethernet fibers/Cu wires	01-Sep-15	22-Dec-15	22-Dec-15	72.6	0%	$0	$0	$22,361	$0	0.0
24233045			H	Install Ethernet fibers/Cu wires	23-Dec-15	29-Feb-16	29-Feb-16	72.6	0%	$0	$0	$6,206	$0	0.0
24233055			H	Install Terminal servers (Etherlite32) (10)	01-May-15	27-Aug-15	25-Jun-15	96.8	0%	$0	$0	$3,103	($227)	-4.4
24233065		ST	S	Install daq/online computers	05-Jan-15	19-Jan-15	23-Jul-15		100%	$21,722	$0	$21,722	$21,722	0.0
24233068			D	Trigger system fibers wiring	07-Jul-15	23-Oct-15	23-Oct-15	88.8	0%	$0	$0	$33,692	$0	0.0
24233069			U	Procure CISCO 2960S switches (24 Cu ports) (15)	01-Sep-15	22-Dec-15	22-Dec-15	72.6	0%	$0	$0	$63,250	$0	0.0
24233070M			M	Online computing infrastructure complete		29-Feb-16	29-Feb-16	72.6	0%	$0	$0	$0	$0	0.0
1.4.2.4 ELECTRONICS					07-Apr-14	05-Jan-16	05-Jan-16	80.4		$29,858	$0	$199,502	($20,460)	0.0
1.4.2.4.2 TDC AND DISCRIMINATORS					01-Oct-14	02-Oct-15	11-Jun-15	92.0		$0	$0	$14,859	($14,859)	-4.4
24242003			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	04-Jun-15	04-Jun-15	107.6	0%	$0	$0	$0	$0	0.0
24242040a		ST	S	JLab Discriminator (12) and Flash FADC (12) test/install (SF)	01-May-15	02-Oct-15	30-Sep-14	91.8	0%	$0	$0	$3,715	($3,715)	-4.4



Primary Baseline Milestone | Primary Baseline | Remaining Work
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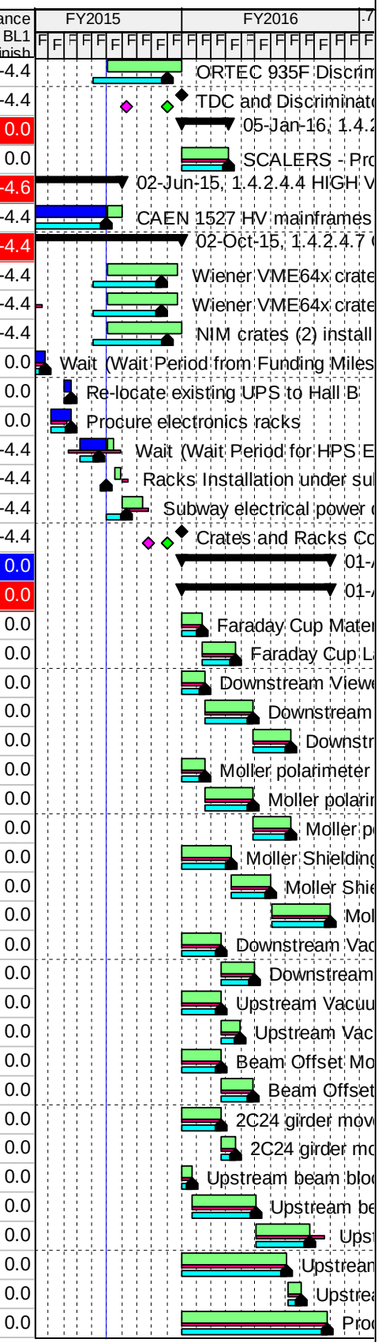
TASK filter: RESP - Responsibility to use After FY15E.

(c) Primavera Systems, Inc.

Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24242055		ST	S	ORTEC 935F Discriminators (24) Test/Install (SF)	01-May-15	02-Oct-15	30-Sep-14	91.8	0%	$0	$0	$11,145	($11,145)	-4.4
24242060M			M	TDC and Discriminators Complete		02-Oct-15	11-Jun-15	91.8	0%	$0	$0	$0	$0	-4.4
1.4.2.4.3 SCALERS					01-Oct-15	05-Jan-16	05-Jan-16	80.4		$0	$0	$70,278	$0	0.0
24243010			U	SCALERS - Procurement/Install (SF)	01-Oct-15	05-Jan-16	05-Jan-16	80.2	0%	$0	$0	$70,278	$0	0.0
1.4.2.4.4 HIGH VOLTAGE					07-Apr-14	02-Jun-15	30-Sep-14	109.2		$11,143	$0	$13,002	($1,859)	-4.6
24244030		ST	S	CAEN 1527 HV mainframes install (12) (FC), (2) (SF)installation	07-Apr-14	02-Jun-15	30-Sep-14	109.0	85.7%	$11,143	$0	$13,002	($1,859)	-4.4
1.4.2.4.7 CRATES, RACKS					01-Oct-14	02-Oct-15	24-Jul-15	92.1		$18,715	$0	$101,362	($3,741)	-4.4
24247005a		ST	S	Wiener VME64x crates install (2) (SF) FY14	01-May-15	23-Sep-15	30-Sep-14	93.2	0%	$0	$0	$1,035	($1,035)	-4.4
24247005aB		ST	S	Wiener VME64x crates install (2) (SF) FY15	01-May-15	23-Sep-15	17-Dec-14	93.2	0%	$0	$0	$848	($848)	-4.4
24247030		ST	S	NIM crates (2) install (SF)	01-May-15	02-Oct-15	30-Sep-14	91.9	0%	$0	$0	$1,857	($1,857)	-4.4
24247042		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24247045		ST	S	Re-locate existing UPS to Hall B	02-Feb-15	16-Feb-15	30-Jan-14		100%	$3,715	$0	$3,715	$0	0.0
24247047			D	Procure electronics racks	05-Jan-15	16-Feb-15	06-Feb-15		100%	$15,000	$0	$15,000	$0	0.0
24247049		ST	S	Wait (Wait Period for HPS Experiment to End)	06-Mar-15	15-May-15	29-May-15	87.8	0%	$0	$0	$0	$0	-4.4
24247051			U	Racks Installation under subway	18-May-15	29-May-15	12-Jun-15	87.8	0%	$0	$0	$3,906	$0	-4.4
24247053			D	Subway electrical power distribution	02-Jun-15	13-Jul-15	24-Jul-15	87.8	0%	$0	$0	$75,000	$0	-4.4
24247060M			M	Crates and Racks Complete		02-Oct-15	24-Jul-15	91.9	0%	$0	$0	$0	$0	-4.4
1.4.2.5 BEAMLINE					01-Oct-15	01-Aug-16	01-Aug-16	51.2		$0	$0	$259,314	$0	0.0
1.4.2.5.4 BEAMLINE COMPONENTS					01-Oct-15	01-Aug-16	01-Aug-16	51.2		$0	$0	$259,314	$0	0.0
24254000			D	Faraday Cup Materials	01-Oct-15	12-Nov-15	12-Nov-15	78.0	0%	$0	$0	$2,130	$0	0.0
24254005			H	Faraday Cup Labor	13-Nov-15	21-Jan-16	21-Jan-16	78.0	0%	$0	$0	$6,980	$0	0.0
24254010			H	Downstream Viewer Manufacturing Design	01-Oct-15	18-Nov-15	18-Nov-15	61.8	0%	$0	$0	$2,118	$0	0.0
24254015			D	Downstream Viewer Procurement	19-Nov-15	24-Feb-16	24-Feb-16	61.8	0%	$0	$0	$10,648	$0	0.0
24254020			H	Downstream Viewer Assembly	25-Feb-16	13-May-16	13-May-16	61.8	0%	$0	$0	$1,953	$0	0.0
24254025			S	Moller polarimeter upgrade Manufacturing Design	01-Oct-15	18-Nov-15	18-Nov-15	61.2	0%	$0	$0	$14,656	$0	0.0
24254030			D	Moller polarimeter upgrade Procurement	19-Nov-15	24-Feb-16	24-Feb-16	61.2	0%	$0	$0	$63,889	$0	0.0
24254035			S	Moller polarimeter upgrade Installation	25-Feb-16	13-May-16	13-May-16	61.2	0%	$0	$0	$19,749	$0	0.0
24254040			S	Moller Shielding Manufacturing Design	01-Oct-15	11-Jan-16	11-Jan-16	51.0	0%	$0	$0	$23,965	$0	0.0
24254045			D	Moller Shielding Procurement	12-Jan-16	01-Apr-16	01-Apr-16	51.0	0%	$0	$0	$33,000	$0	0.0
24254050			S	Moller Shielding Installation	04-Apr-16	01-Aug-16	01-Aug-16	51.0	0%	$0	$0	$34,354	$0	0.0
24254055			D	Downstream Vacuum System Procurement	01-Oct-15	22-Dec-15	21-Dec-15	72.6	0%	$0	$0	$0	$0	0.0
24254060			H	Downstream Vacuum System Installation	23-Dec-15	29-Feb-16	26-Feb-16	72.6	0%	$0	$0	$0	$0	0.0
24254065			D	Upstream Vacuum System Procurement	01-Oct-15	22-Dec-15	21-Dec-15	76.8	0%	$0	$0	$0	$0	0.0
24254070			H	Upstream Vacuum System Installation	23-Dec-15	29-Jan-16	28-Jan-16	76.8	0%	$0	$0	$0	$0	0.0
24254075			D	Beam Offset Monitor Procurement	01-Oct-15	22-Dec-15	21-Dec-15	72.8	0%	$0	$0	$0	$0	0.0
24254080			H	Beam Offset Monitor Installation	23-Dec-15	26-Feb-16	25-Feb-16	72.8	0%	$0	$0	$0	$0	0.0
24254085			D	2C24 girder move Procurement	01-Oct-15	21-Dec-15	21-Dec-15	78.0	0%	$0	$0	$12,777	$0	0.0
24254090			S	2C24 girder move Labor	22-Dec-15	21-Jan-16	21-Jan-16	78.0	0%	$0	$0	$20,682	$0	0.0
24254095			Z	Upstream beam blocker and vacuum box Manufacturing Design	01-Oct-15	21-Oct-15	21-Oct-15	56.4	0%	$0	$0	$0	$0	0.0
24254100			D	Upstream beam blocker and vacuum box Procurement	22-Oct-15	01-Mar-16	01-Mar-16	56.4	0%	$0	$0	$0	$0	0.0
24254105			Z	Upstream beam blocker and vacuum box Installation	02-Mar-16	22-Jun-16	21-Jul-16	56.4	0%	$0	$0	$0	$0	0.0
24254110			D	Upstream Shielding Wall Procurement	01-Oct-15	05-May-16	05-May-16	59.0	0%	$0	$0	$0	$0	0.0
24254115			H	Upstream Shielding Wall Installation	06-May-16	03-Jun-16	03-Jun-16	59.0	0%	$0	$0	$0	$0	0.0
24254120			D	Procurement of Beamline Devices	01-Oct-15	28-Jul-16	28-Jul-16	50.8	0%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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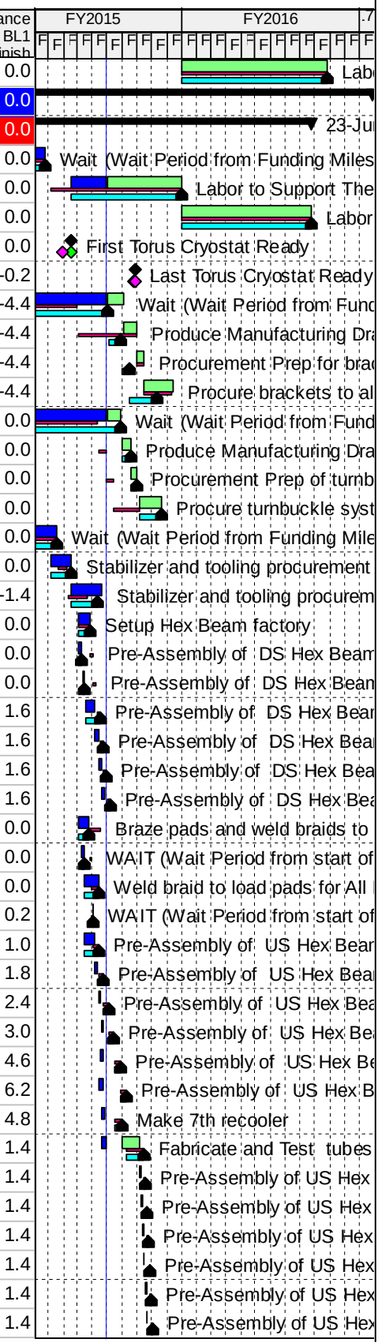
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24254125			D	Labor to Support The Procurement Process	01-Oct-15	28-Jul-16	28-Jul-16	51.4	0%	$0	$0	$12,413	$0	0.0
1.4.2.6 INFRASTRUCTURE					01-Oct-14	28-Oct-16	25-Oct-16	38.6		$384,432	$209,551	$2,092,863	$1,542	0.0
1.4.2.6.5 TORUS INSTALLATION					01-Oct-14	23-Jun-16	23-Jun-16	56.4		$225,388	$169,313	$1,064,465	$18,871	0.0
24265000			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24265005		ST	S	Labor to Support The Torus Installation, Cooldown and Test FY15	16-Feb-15	30-Sep-15	30-Sep-15	56.2	31.7%	$47,230	$37,844	$148,992	($18,548)	0.0
24265010		ST	S	Labor to Support The Torus Installation, Cooldown and Test FY16	01-Oct-15	23-Jun-16	23-Jun-16	56.2	0%	$0	$0	$148,992	$0	0.0
24265015M			M	First Torus Cryostat Ready	16-Feb-15				100%	$0	$0	$0	$0	0.0
24265020M			M	Last Torus Cryostat Ready	29-Jun-15			50.0	0%	$0	$0	$0	$0	-0.2
24265025			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	04-Jun-15	27-Feb-15	57.2	0%	$0	$0	$0	$0	-4.4
24265030		ST	S	Produce Manufacturing Drawings for brackets to allow removal of Spit	05-Jun-15	01-Jul-15	30-Jun-15	57.2	0%	$0	$0	$8,515	($4,408)	-4.4
24265035			H	Procurement Prep for brackets to allow removal of Spit	02-Jul-15	16-Jul-15	15-Jul-15	57.2	0%	$0	$0	$616	$0	-4.4
24265040			D	Procure brackets to allow removal of Spit	17-Jul-15	14-Sep-15	11-Sep-15	57.2	0%	$0	$0	$4,000	$0	-4.4
24265045			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	29-May-15	10-Apr-15	54.6	0%	$0	$0	$0	$0	0.0
24265050			H	Produce Manufacturing Drawings for turnbuckle system for removing twist in str	02-Jun-15	18-Jun-15	29-Apr-15	54.6	0%	$0	$0	$5,322	($5,322)	0.0
24265055			H	Procurement Prep of turnbuckle system for removing twist in structure	19-Jun-15	02-Jul-15	13-May-15	54.6	0%	$0	$0	$616	($62)	0.0
24265060			D	Procure turnbuckle system for removing twist in structure	06-Jul-15	21-Aug-15	06-Jul-15	54.6	0%	$0	$0	$2,000	$0	0.0
24265075			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	16-Jan-15	16-Jan-15		100%	$0	$0	$0	$0	0.0
24265080			H	Stabilizer and tooling procurement Prep	05-Jan-15	16-Feb-15	06-Feb-15		100%	$616	$0	$616	$0	0.0
24265085			D	Stabilizer and tooling procurement (Sector 1, 3-6)	16-Feb-15	21-Apr-15	20-Mar-15		100%	$22,000	$17,600	$22,000	$0	-1.4
24265086			H	Setup Hex Beam factory	02-Mar-15	26-Mar-15	26-Mar-15		100%	$8,942	$0	$8,942	$0	0.0
24265086A			H	Pre-Assembly of DS Hex Beam #1	02-Mar-15	09-Mar-15	02-Apr-15		100%	$4,523	$0	$4,523	$0	0.0
24265086A05			H	Pre-Assembly of DS Hex Beam #2	11-Mar-15	16-Mar-15	09-Apr-15		100%	$4,523	$0	$4,523	$0	0.0
24265086A10			H	Pre-Assembly of DS Hex Beam #3	18-Mar-15	06-Apr-15	16-Apr-15		100%	$4,523	$2,261	$4,523	$0	1.6
24265086A15			H	Pre-Assembly of DS Hex Beam #4	06-Apr-15	13-Apr-15	23-Apr-15		100%	$4,523	$4,523	$4,523	$0	1.6
24265086A20			H	Pre-Assembly of DS Hex Beam #5	13-Apr-15	20-Apr-15	30-Apr-15		100%	$4,523	$4,523	$4,523	$0	1.6
24265086A25			H	Pre-Assembly of DS Hex Beam #6	20-Apr-15	27-Apr-15	07-May-15		100%	$4,523	$4,523	$4,523	$4,523	1.6
24265086B			U	Braze pads and weld braids to pads for All ReCoolers	04-Mar-15	23-Mar-15	16-Apr-15		100%	$12,179	$0	$12,179	$0	0.0
24265086B03			Z	WAIT (Wait Period from start of 24265086B)	09-Mar-15	16-Mar-15	30-Mar-15		100%	$0	$0	$0	$0	0.0
24265086B05			U	Weld braid to load pads for All ReCoolers	16-Mar-15	14-Apr-15	13-Apr-15		100%	$8,273	$6,949	$8,273	$0	0.0
24265086B08			Z	WAIT (Wait Period from start of 24265086B05)	01-Apr-15	01-Apr-15	01-Apr-15		100%	$0	$0	$0	$0	0.2
24265086B10			H	Pre-Assembly of US Hex Beam #1	16-Mar-15	06-Apr-15	13-Apr-15		100%	$7,318	$3,659	$7,318	$0	1.0
24265086B15			H	Pre-Assembly of US Hex Beam #2	06-Apr-15	10-Apr-15	23-Apr-15		100%	$7,318	$7,318	$7,318	$0	1.8
24265086B20			H	Pre-Assembly of US Hex Beam #3	13-Apr-15	17-Apr-15	05-May-15		100%	$7,318	$7,318	$7,318	$2,744	2.4
24265086B25			H	Pre-Assembly of US Hex Beam #4	20-Apr-15	24-Apr-15	15-May-15		100%	$7,318	$7,318	$7,318	$7,318	3.0
24265086B30			H	Pre-Assembly of US Hex Beam #5	17-Apr-15	24-Apr-15	28-May-15		100%	$7,318	$7,318	$7,318	$7,318	4.6
24265086B35			H	Pre-Assembly of US Hex Beam #6	13-Apr-15	24-Apr-15	10-Jun-15		100%	$7,318	$7,318	$7,318	$7,318	6.2
24265086C			H	Make 7th recooler	19-Apr-15	27-Apr-15	02-Jun-15		100%	$4,523	$4,523	$4,523	$4,523	4.8
24265086D			U	Fabricate and Test tubes for US Hex Shields	21-Apr-15	07-Jul-15	16-Jul-15	51.8	25%	$4,652	$4,652	$18,610	$4,652	1.4
24265086F			H	Pre-Assembly of US Hex Shield #1	08-Jul-15	09-Jul-15	20-Jul-15	51.8	0%	$0	$0	$1,871	$0	1.4
24265086F05			H	Pre-Assembly of US Hex Shield #2	10-Jul-15	13-Jul-15	22-Jul-15	52.2	0%	$0	$0	$1,871	$0	1.4
24265086F10			H	Pre-Assembly of US Hex Shield #3	14-Jul-15	15-Jul-15	24-Jul-15	52.6	0%	$0	$0	$1,871	$0	1.4
24265086F15			H	Pre-Assembly of US Hex Shield #4	16-Jul-15	17-Jul-15	28-Jul-15	53.0	0%	$0	$0	$1,871	$0	1.4
24265086F20			H	Pre-Assembly of US Hex Shield #5	20-Jul-15	21-Jul-15	30-Jul-15	53.4	0%	$0	$0	$1,871	$0	1.4
24265086F25			H	Pre-Assembly of US Hex Shield #6	22-Jul-15	23-Jul-15	03-Aug-15	53.8	0%	$0	$0	$1,871	$0	1.4

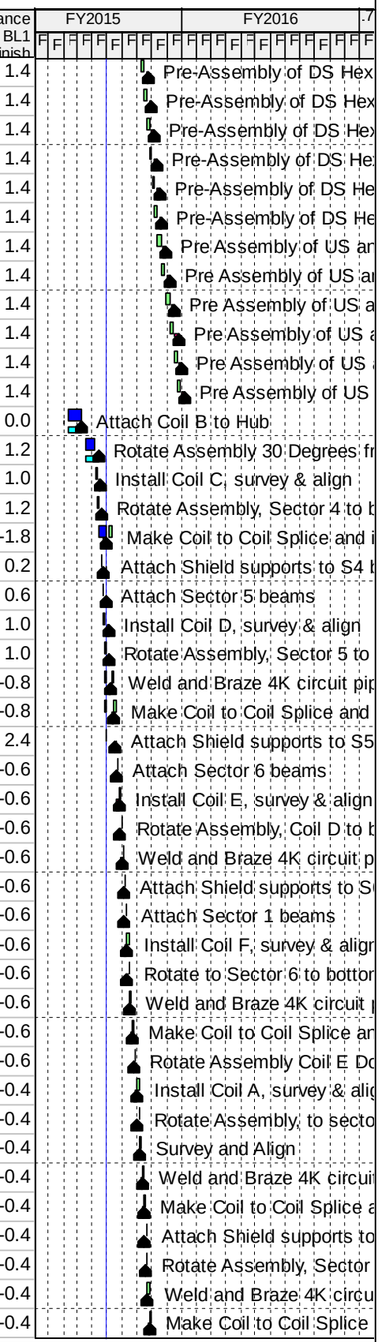


Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

(c) Primavera Systems, Inc.

Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24265086G			H	Pre-Assembly of DS Hex Shield #1	10-Jul-15	15-Jul-15	24-Jul-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086G05			H	Pre-Assembly of DS Hex Shield #2	16-Jul-15	21-Jul-15	30-Jul-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086G10			H	Pre-Assembly of DS Hex Shield #3	22-Jul-15	27-Jul-15	05-Aug-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086G15			H	Pre-Assembly of DS Hex Shield #4	28-Jul-15	31-Jul-15	11-Aug-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086G20			H	Pre-Assembly of DS Hex Shield #5	03-Aug-15	06-Aug-15	17-Aug-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086G25			H	Pre-Assembly of DS Hex Shield #6	07-Aug-15	12-Aug-15	21-Aug-15	51.8	0%	$0	$0	$4,215	$0	1.4
24265086H			H	Pre Assembly of US and DS U-Shaped VJ #1	13-Aug-15	20-Aug-15	31-Aug-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265086H05			H	Pre Assembly of US and DS U-Shaped VJ #2	21-Aug-15	28-Aug-15	09-Sep-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265086H10			H	Pre Assembly of US and DS U-Shaped VJ #3	31-Aug-15	08-Sep-15	17-Sep-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265086H15			H	Pre Assembly of US and DS U-Shaped VJ #4	09-Sep-15	15-Sep-15	24-Sep-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265086H20			H	Pre Assembly of US and DS U-Shaped VJ #5	16-Sep-15	22-Sep-15	01-Oct-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265086H25			H	Pre Assembly of US and DS U-Shaped VJ #6	23-Sep-15	29-Sep-15	08-Oct-15	51.8	0%	$0	$0	$5,191	$0	1.4
24265090			H	Attach Coil B to Hub	09-Feb-15	09-Mar-15	02-Feb-15		100%	$3,172	$0	$3,172	$0	0.0
24265095			H	Rotate Assembly 30 Degrees from Vertical, attach Sector 4 beams	18-Mar-15	06-Apr-15	14-Apr-15		100%	$2,179	$1,089	$2,179	$0	1.2
24265100			H	Install Coil C, survey & align	07-Apr-15	10-Apr-15	17-Apr-15		100%	$9,940	$9,940	$9,940	$0	1.0
24265110			H	Rotate Assembly, Sector 4 to bottom, prep. Erect Scaffolding	10-Apr-15	13-Apr-15	21-Apr-15		100%	$4,523	$4,523	$4,523	$0	1.2
24265115			H	Make Coil to Coil Splice and instrumentation for S4 beam	15-Apr-15	11-May-15	28-Apr-15	49.8	50%	$3,485	$3,485	$6,971	($3,485)	-1.8
24265120			H	Attach Shield supports to S4 beams	21-Apr-15	21-Apr-15	29-Apr-15		100%	$391	$391	$391	$0	0.2
24265135			H	Attach Sector 5 beams	23-Apr-15	24-Apr-15	30-Apr-15		100%	$2,179	$2,179	$2,179	$0	0.6
24265140			H	Install Coil D, survey & align	24-Apr-15	27-Apr-15	05-May-15		100%	$9,940	$9,940	$9,940	$9,940	1.0
24265150			H	Rotate Assembly, Sector 5 to bottom, prep. Erect Scaffolding	27-Apr-15	28-Apr-15	06-May-15		100%	$2,570	$2,570	$2,570	$2,570	1.0
24265155			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil C	27-Apr-15	14-May-15	11-May-15	49.8	50%	$3,672	$3,672	$7,344	$3,672	-0.8
24265160			H	Make Coil to Coil Splice and instrumentation for S5 beam	27-Apr-15	21-May-15	18-May-15	49.8	50%	$3,485	$3,485	$6,971	$3,485	-0.8
24265175			H	Attach Shield supports to S5 beams	29-Apr-15	30-Apr-15	19-May-15		100%	$391	$391	$391	$391	2.4
24265185			H	Attach Sector 6 beams	22-May-15	22-May-15	20-May-15	49.8	0%	$0	$0	$2,179	$0	-0.6
24265190			H	Install Coil E, survey & align	26-May-15	29-May-15	27-May-15	49.8	0%	$0	$0	$9,647	$0	-0.6
24265200			H	Rotate Assembly, Coil D to bottom, prep. Erect Scaffolding	02-Jun-15	02-Jun-15	28-May-15	49.8	0%	$0	$0	$2,570	$0	-0.6
24265205			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil D	03-Jun-15	05-Jun-15	03-Jun-15	49.8	0%	$0	$0	$7,344	$0	-0.6
24265210			H	Attach Shield supports to S6 beams	08-Jun-15	08-Jun-15	04-Jun-15	49.8	0%	$0	$0	$391	$0	-0.6
24265225			H	Attach Sector 1 beams	09-Jun-15	09-Jun-15	05-Jun-15	49.8	0%	$0	$0	$2,179	$0	-0.6
24265230			H	Install Coil F, survey & align	10-Jun-15	15-Jun-15	11-Jun-15	49.8	0%	$0	$0	$10,608	$0	-0.6
24265240			H	Rotate to Sector 6 to bottom, prep. Erect Scaffolding	16-Jun-15	16-Jun-15	12-Jun-15	49.8	0%	$0	$0	$2,570	$0	-0.6
24265245			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil E	17-Jun-15	19-Jun-15	17-Jun-15	49.8	0%	$0	$0	$7,344	$0	-0.6
24265250			H	Make Coil to Coil Splice and instrumentation for S6 beam	22-Jun-15	26-Jun-15	24-Jun-15	49.8	0%	$0	$0	$6,971	$0	-0.6
24265265			H	Rotate Assembly Coil E Down attach Sector 2 beams	29-Jun-15	29-Jun-15	25-Jun-15	49.8	0%	$0	$0	$3,351	$0	-0.6
24265270			H	Install Coil A, survey & align	30-Jun-15	06-Jul-15	01-Jul-15	49.8	0%	$0	$0	$10,608	$0	-0.4
24265280			H	Rotate Assembly, to sector 3 down attach Sector 3 beams Erect Scaffolding	07-Jul-15	07-Jul-15	02-Jul-15	49.8	0%	$0	$0	$5,499	$0	-0.4
24265285			H	Survey and Align	08-Jul-15	10-Jul-15	08-Jul-15	49.8	0%	$0	$0	$4,523	$0	-0.4
24265287			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil D	13-Jul-15	15-Jul-15	13-Jul-15	49.8	0%	$0	$0	$2,960	$0	-0.4
24265290			H	Make Coil to Coil Splice and instrumentation for S3 beam	16-Jul-15	20-Jul-15	16-Jul-15	49.8	0%	$0	$0	$6,971	$0	-0.4
24265292			H	Attach Shield supports to S3 beams	21-Jul-15	21-Jul-15	17-Jul-15	49.8	0%	$0	$0	$391	$0	-0.4
24265295			H	Rotate Assembly, Sector 2 to bottom, prep. Erect Scaffolding	22-Jul-15	22-Jul-15	20-Jul-15	49.8	0%	$0	$0	$2,179	$0	-0.4
24265300			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil A	23-Jul-15	27-Jul-15	23-Jul-15	49.8	0%	$0	$0	$7,960	$0	-0.4
24265305			H	Make Coil to Coil Splice and instrumentation for S2 beam	28-Jul-15	30-Jul-15	28-Jul-15	49.8	0%	$0	$0	$6,971	$0	-0.4



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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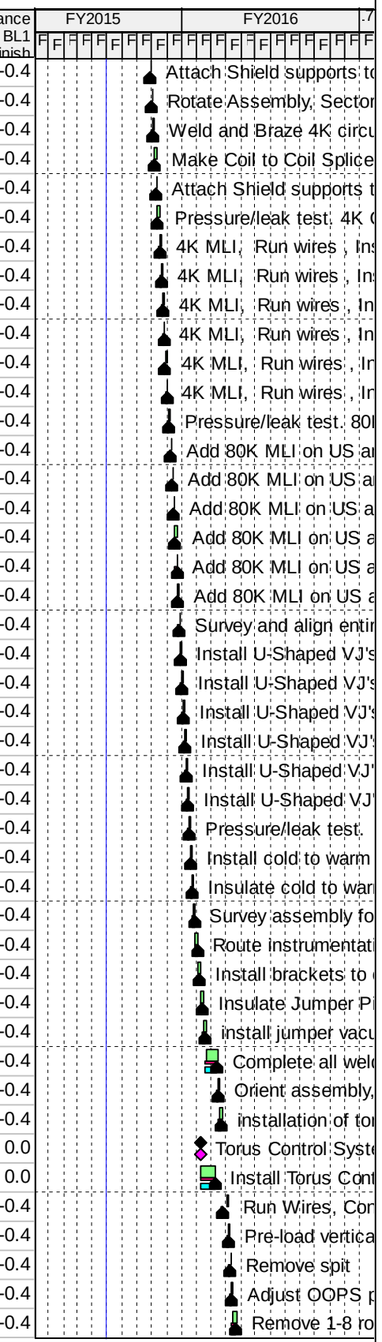
Activity ID	2 Si R	Activ with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24265310			H	Attach Shield supports to S2 beams	31-Jul-15	31-Jul-15	29-Jul-15	49.8	0%	$0	$0	$391	$0	-0.4
24265315			H	Rotate Assembly, Sector 1 to bottom, prep. Erect Scaffolding	03-Aug-15	03-Aug-15	30-Jul-15	49.8	0%	$0	$0	$2,179	$0	-0.4
24265320			H	Weld and Braze 4K circuit piping and cold shock both US and DS @ Coil F	04-Aug-15	06-Aug-15	04-Aug-15	49.8	0%	$0	$0	$7,960	$0	-0.4
24265325			H	Make Coil to Coil Splice and instrumentation for S1 beam	07-Aug-15	11-Aug-15	07-Aug-15	49.8	0%	$0	$0	$6,971	$0	-0.4
24265325A			H	Attach Shield supports to S1 beams	12-Aug-15	12-Aug-15	10-Aug-15	49.8	0%	$0	$0	$391	$0	-0.4
24265330			H	Pressure/leak test. 4K Circuits Electrical test. Instrumentation	13-Aug-15	17-Aug-15	13-Aug-15	49.8	0%	$0	$0	$7,958	$0	-0.4
24265335			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	18-Aug-15	20-Aug-15	18-Aug-15	49.8	0%	$0	$0	$9,046	$0	-0.4
24265335A			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	21-Aug-15	24-Aug-15	20-Aug-15	49.8	0%	$0	$0	$9,046	$0	-0.4
24265335B			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	25-Aug-15	26-Aug-15	24-Aug-15	49.8	0%	$0	$0	$8,460	$0	-0.4
24265335C			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	27-Aug-15	28-Aug-15	26-Aug-15	49.8	0%	$0	$0	$8,460	$0	-0.4
24265335D			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	31-Aug-15	01-Sep-15	28-Aug-15	49.8	0%	$0	$0	$8,460	$0	-0.4
24265335F			H	4K MLI, Run wires , Install 80K shields and weld/CS each downstream shield t	02-Sep-15	03-Sep-15	01-Sep-15	49.8	0%	$0	$0	$8,460	$0	-0.4
24265340			H	Pressure/leak test. 80K DS Shield Circuit	04-Sep-15	09-Sep-15	04-Sep-15	49.8	0%	$0	$0	$4,779	$0	-0.4
24265342			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	10-Sep-15	11-Sep-15	09-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265342A			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	14-Sep-15	15-Sep-15	11-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265342B			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	16-Sep-15	17-Sep-15	15-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265342C			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	18-Sep-15	21-Sep-15	17-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265342D			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	22-Sep-15	23-Sep-15	21-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265342F			H	Add 80K MLI on US and DS hex shields and complete MLI on outside of Hub (I	24-Sep-15	25-Sep-15	23-Sep-15	49.8	0%	$0	$0	$4,132	$0	-0.4
24265343			H	Survey and align entire assembly, lock in position with turnbuckle system	28-Sep-15	29-Sep-15	25-Sep-15	49.8	0%	$0	$0	$9,921	$0	-0.4
24265345			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	30-Sep-15	01-Oct-15	29-Sep-15	49.8	0%	$0	$0	$7,401	$0	-0.4
24265345A			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	02-Oct-15	05-Oct-15	01-Oct-15	49.8	0%	$0	$0	$7,401	$0	-0.4
24265345B			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	06-Oct-15	07-Oct-15	05-Oct-15	49.8	0%	$0	$0	$7,061	$0	-0.4
24265345C			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	08-Oct-15	09-Oct-15	07-Oct-15	49.8	0%	$0	$0	$6,912	$0	-0.4
24265345D			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	12-Oct-15	13-Oct-15	09-Oct-15	49.8	0%	$0	$0	$6,912	$0	-0.4
24265345F			H	Install U-Shaped VJ's/skip weld/ After 2nd one start welding in tubing for flow ci	14-Oct-15	15-Oct-15	13-Oct-15	49.8	0%	$0	$0	$6,912	$0	-0.4
24265346			H	Pressure/leak test.	16-Oct-15	20-Oct-15	16-Oct-15	49.8	0%	$0	$0	$4,779	$0	-0.4
24265350			H	Install cold to warm supports	21-Oct-15	22-Oct-15	20-Oct-15	49.8	0%	$0	$0	$3,577	$0	-0.4
24265355			H	Insulate cold to warm supports	23-Oct-15	26-Oct-15	22-Oct-15	49.8	0%	$0	$0	$5,920	$0	-0.4
24265360		ST	S	Survey assembly for symmetry	27-Oct-15	29-Oct-15	27-Oct-15	49.8	0%	$0	$0	$8,529	$0	-0.4
24265365			H	Route instrumentation wires, make electrical connections at feedthroughs	30-Oct-15	04-Nov-15	02-Nov-15	49.8	0%	$0	$0	$5,420	$0	-0.4
24265370			U	Install brackets to complete vacuum jacket welding	05-Nov-15	10-Nov-15	06-Nov-15	49.8	0%	$0	$0	$20,542	$0	-0.4
24265380		ST	S	Insulate Jumper Piping	11-Nov-15	16-Nov-15	12-Nov-15	49.8	0%	$0	$0	$5,860	$0	-0.4
24265385			U	install jumper vacuum jackets	17-Nov-15	20-Nov-15	18-Nov-15	49.8	0%	$0	$0	$14,871	$0	-0.4
24265390			U	Complete all welding to finish vacuum jacket	23-Nov-15	15-Dec-15	11-Dec-15	49.8	0%	$0	$0	$41,169	$0	-0.4
24265395			H	Orient assembly, survey, and lock rotation	16-Dec-15	17-Dec-15	15-Dec-15	49.8	0%	$0	$0	$8,264	$0	-0.4
24265400		ST	S	installation of torus legs - connection to subway	18-Dec-15	23-Dec-15	21-Dec-15	49.8	0%	$0	$0	$13,699	$0	-0.4
24265402M			M	Torus Control System Ready for Installation	09-Nov-15			52.0	0%	$0	$0	$0	$0	0.0
24265404			S	Install Torus Control System	09-Nov-15	08-Dec-15	08-Dec-15	52.0	0%	$0	$0	$0	$0	0.0
24265405			H	Run Wires, Connect instruments, verify OOPS operation	04-Jan-16	05-Jan-16	23-Dec-15	49.8	0%	$0	$0	$5,128	$0	-0.4
24265410			H	Pre-load vertical supports	06-Jan-16	08-Jan-16	06-Jan-16	49.8	0%	$0	$0	$7,214	$0	-0.4
24265415			H	Remove spit	11-Jan-16	11-Jan-16	07-Jan-16	49.8	0%	$0	$0	$6,928	$0	-0.4
24265420			H	Adjust OOPS position	12-Jan-16	13-Jan-16	11-Jan-16	49.8	0%	$0	$0	$6,928	$0	-0.4
24265425		ST	S	Remove 1-8 rods and adjust all supports to position cold mass	14-Jan-16	22-Jan-16	20-Jan-16	49.8	0%	$0	$0	$7,889	$0	-0.4



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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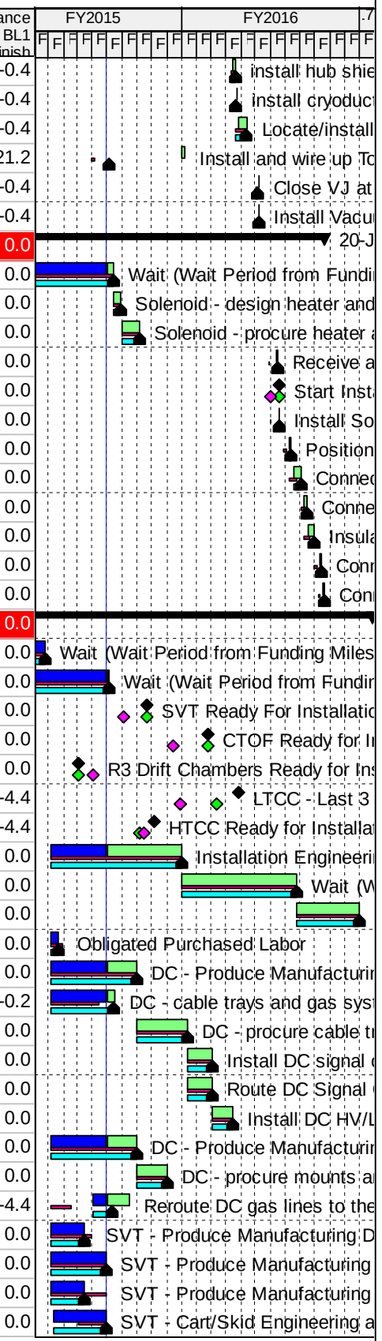
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24265430		ST	S	install hub shield, MLI, warm bore endplates and close 1-8" holes	14-Jan-16	21-Jan-16	19-Jan-16	49.8	0%	$0	$0	$9,062	$0	-0.4
24265435			H	install cryoduct support	22-Jan-16	22-Jan-16	20-Jan-16	49.8	0%	$0	$0	$1,285	$0	-0.4
24265440		ST	S	Locate/install service tower and cryoduct	25-Jan-16	12-Feb-16	10-Feb-16	49.8	0%	$0	$0	$12,238	$0	-0.4
24265445			H	Install and wire up Torus PS	01-Oct-15	07-Oct-15	06-Apr-15	69.2	0%	$0	$0	$7,758	($7,758)	-21.2
24265450			H	Close VJ at cryoduct and chimney	07-Mar-16	08-Mar-16	04-Mar-16	49.8	0%	$0	$0	$7,761	$0	-0.4
24265455			H	Install Vacuum pumping system	09-Mar-16	09-Mar-16	07-Mar-16	49.8	0%	$0	$0	$7,087	$0	-0.4
1.4.2.6.6 SOLENOID INSTALLATION					01-Oct-14	20-Jul-16	12-Jul-16	38.6		$0	$0	$93,937	$0	0.0
24266000			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	13-May-15	13-May-15	77.0	0%	$0	$0	$0	$0	0.0
24266005			H	Solenoid - design heater and nitrogen purge system for warm bore	14-May-15	29-May-15	29-May-15	77.0	0%	$0	$0	$7,317	$0	0.0
24266010			H	Solenoid - procure heater and nitrogen purge system for warm bore	02-Jun-15	06-Jul-15	06-Jul-15	77.0	0%	$0	$0	$4,200	$0	0.0
24266015			S	Receive and inspect solenoid magnet from Vendor	13-Apr-16	15-Apr-16	30-Mar-16	38.4	0%	$0	$0	$17,856	$0	0.0
24266020			M	Start Installation of Solenoid	18-Apr-16			38.4	0%	$0	$0	$0	$0	0.0
24266025			H	Install Solenoid on cart	18-Apr-16	18-Apr-16	31-Mar-16	38.4	0%	$0	$0	$1,563	$0	0.0
24266030			H	Position CryoCan atop the Solenoid	09-May-16	13-May-16	05-May-16	38.4	0%	$0	$0	$9,117	$0	0.0
24266050			H	Connect solenoid magnet cryogenic circuits to CryoCan	19-May-16	02-Jun-16	24-May-16	38.4	0%	$0	$0	$8,813	$0	0.0
24266060			S	Connect solenoid magnet power leads to CryoCan	10-Jun-16	16-Jun-16	08-Jun-16	38.4	0%	$0	$0	$16,834	$0	0.0
24266065			S	Insulate & close up interface from solenoid magnet to CryoCan	17-Jun-16	30-Jun-16	22-Jun-16	38.4	0%	$0	$0	$10,065	$0	0.0
24266075			H	Connect instrumentation from solenoid magnet to control system	11-Jul-16	15-Jul-16	07-Jul-16	38.4	0%	$0	$0	$6,167	$0	0.0
24266080			H	Connect Power leads from Cryocan to PS	18-Jul-16	20-Jul-16	12-Jul-16	38.4	0%	$0	$0	$12,005	$0	0.0
1.4.2.6.7 DETECTOR AND FIXTURES INSTALLATION					01-Oct-14	28-Oct-16	25-Oct-16	38.6		$159,044	$40,239	$934,461	($17,329)	0.0
24267000			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24267005			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	05-May-15	05-May-15	108.8	0%	$0	$0	$0	$0	0.0
24267005M			M	SVT Ready For Installation	23-Jul-15			99.0	0%	$0	$0	$0	$0	0.0
24267010M			M	CTOF Ready for Installation	25-Nov-15			82.0	0%	$0	$0	$0	$0	0.0
24267015M			M	R3 Drift Chambers Ready for Installation	02-Mar-15				100%	$0	$0	$0	$0	0.0
24267020M			M	LTCC - Last 3 units Ready for Installation	25-Jan-16			70.8	0%	$0	$0	$0	$0	-4.4
24267025M			M	HTCC Ready for Installation	07-Aug-15			97.4	0%	$0	$0	$0	$0	-4.4
24267035			E	Installation Engineering Oversight FY15	05-Jan-15	30-Sep-15	30-Sep-15	42.4	44.15%	$47,625	$12,621	$107,870	$1	0.0
24267040			Z	Wait (Wait Period from Between FY15 and Fy16 Engineering Oversight)	01-Oct-15	25-May-16	25-May-16	42.4	0%	$0	$0	$0	$0	0.0
24267045		ST	S	Installation Engineering Oversight FY16	26-May-16	30-Sep-16	30-Sep-16	42.4	0%	$0	$0	$40,837	$0	0.0
24267047			D	Obligated Purchased Labor	05-Jan-15	19-Jan-15	30-Jan-15		100%	$4,636	$0	$4,636	$0	0.0
24267050		ST	S	DC - Produce Manufacturing Drawings for cable trays and gas system mounts	05-Jan-15	30-Jun-15	30-Jun-15	72.0	60%	$12,643	$3,161	$21,071	($1,461)	0.0
24267055		ST	S	DC - cable trays and gas system mounts Engineering Analysis	05-Jan-15	18-May-15	15-Apr-15	92.4	60%	$9,246	$6,164	$15,410	($6,164)	-0.2
24267060			D	DC - procure cable trays and gas system mounts (Gas System Use)	01-Jul-15	13-Oct-15	13-Oct-15	72.0	0%	$0	$0	$35,638	$0	0.0
24267065		ST	S	Install DC signal cable trays and gas lines (Gas System Use)	14-Oct-15	03-Dec-15	03-Dec-15	72.0	0%	$0	$0	$56,263	$0	0.0
24267070		ST	S	Route DC Signal Cables	14-Oct-15	03-Dec-15	03-Dec-15	72.0	0%	$0	$0	$23,438	$0	0.0
24267075			H	Install DC HV/LV Racks and cable trays	04-Dec-15	13-Jan-16	13-Jan-16	72.0	0%	$0	$0	$9,375	$0	0.0
24267080		ST	S	DC - Produce Manufacturing Drawings for mounts and adjusters for DC to Torus	05-Jan-15	30-Jun-15	30-Jun-15	86.8	90%	$11,115	$0	$12,350	$2,848	0.0
24267085			D	DC - procure mounts and adjusters for DC to Torus	01-Jul-15	03-Sep-15	03-Sep-15	86.8	0%	$0	$0	$131,145	$0	0.0
24267090		ST	S	Reroute DC gas lines to the distribution panel (Gas System Use)	01-Apr-15	15-Jun-15	16-Feb-15	107.2	51%	$5,977	$5,977	$11,719	($5,742)	-4.4
24267095		ST	S	SVT - Produce Manufacturing Drawings for mounts for SVT to solenoid cart	05-Jan-15	16-Mar-15	31-Mar-15		100%	$4,235	$0	$4,235	$0	0.0
24267100		ST	S	SVT - Produce Manufacturing Drawings for Insertion/service cart and installatio	05-Jan-15	30-Apr-15	30-Apr-15		100%	$10,588	$2,118	$10,588	$0	0.0
24267105		ST	S	SVT - Produce Manufacturing Drawings for transportation cart/skid	05-Jan-15	16-Mar-15	30-Apr-15		100%	$23,945	$0	$23,945	$0	0.0
24267110		ST	S	SVT - Cart/Skid Engineering analysis	12-Jan-15	30-Apr-15	30-Apr-15		100%	$18,492	$4,623	$18,492	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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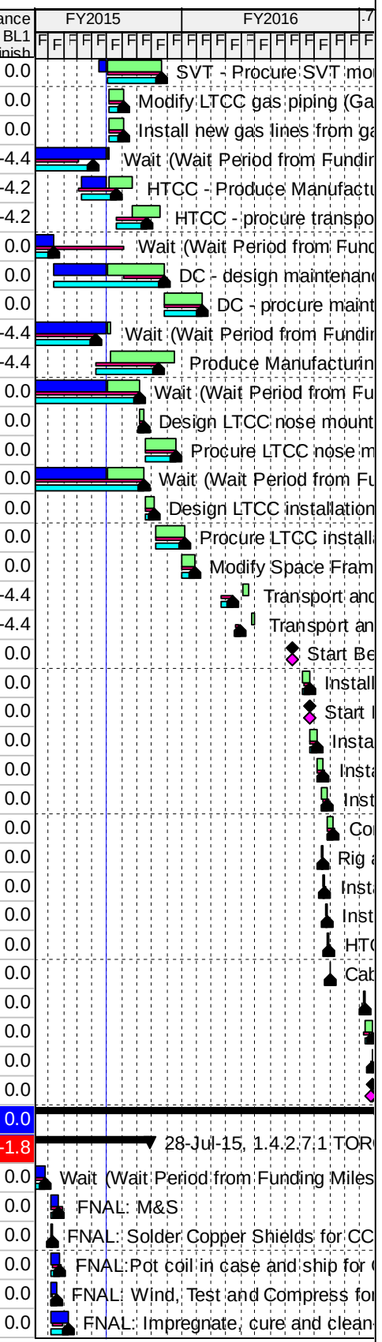
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24267115			D	SVT - Procure SVT mounts and cart	13-Apr-15	21-Aug-15	21-Aug-15	94.6	0%	$0	$0	$34,194	$0	0.0
24267120		ST	S	Modify LTCC gas piping (Gas System Use)	06-May-15	03-Jun-15	03-Jun-15	108.8	0%	$0	$0	$18,072	$0	0.0
24267125		ST	S	Install new gas lines from gas shed to the hall (Gas System Use)	06-May-15	03-Jun-15	03-Jun-15	108.8	0%	$0	$0	$6,836	$0	0.0
24267130		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	04-May-15	03-Mar-15	96.0	0%	$0	$0	$0	$0	-4.4
24267135		ST	S	HTCC - Produce Manufacturing Drawings for transport cart	09-Mar-15	22-Jun-15	20-May-15	96.0	30%	$5,576	$5,576	$18,586	($8,364)	-4.2
24267140			D	HTCC - procure transport cart	23-Jun-15	19-Aug-15	21-Jul-15	96.0	0%	$0	$0	$37,798	$0	-4.2
24267145			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	12-Jan-15	03-Jun-15		100%	$0	$0	$0	$0	0.0
24267150		ST	S	DC - design maintenance platforms	12-Jan-15	26-Aug-15	26-Aug-15	78.8	30%	$4,966	$0	$16,555	$4,966	0.0
24267155			D	DC - procure maintenance platforms	27-Aug-15	13-Nov-15	13-Nov-15	78.8	0%	$0	$0	$20,469	$0	0.0
24267160			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	07-May-15	07-Apr-15	92.2	0%	$0	$0	$0	$0	-4.4
24267165		ST	S	Produce Manufacturing Drawings for and install HTCC gas system	08-May-15	16-Sep-15	14-Aug-15	92.2	0%	$0	$0	$18,072	($3,414)	-4.4
24267170			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	06-Jul-15	06-Jul-15	88.2	0%	$0	$0	$0	$0	0.0
24267175			H	Design LTCC nose mount	07-Jul-15	17-Jul-15	17-Jul-15	88.2	0%	$0	$0	$7,317	$0	0.0
24267180			D	Procure LTCC nose mounts	20-Jul-15	18-Sep-15	18-Sep-15	88.2	0%	$0	$0	$4,015	$0	0.0
24267185			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	17-Jul-15	17-Jul-15	85.4	0%	$0	$0	$0	$0	0.0
24267190			H	Design LTCC installation tooling adapters	20-Jul-15	07-Aug-15	07-Aug-15	85.4	0%	$0	$0	$9,435	$0	0.0
24267195			H	Procure LTCC installation tooling adapters	10-Aug-15	08-Oct-15	08-Oct-15	85.4	0%	$0	$0	$1,832	$0	0.0
24267210			H	Modify Space Frame Level 3 deck For Torus Cryo	01-Oct-15	28-Oct-15	28-Oct-15	58.2	0%	$0	$0	$7,813	$0	0.0
24267215		ST	S	Transport and Install LTCC	03-Feb-16	16-Feb-16	13-Jan-16	70.8	0%	$0	$0	$15,626	$0	-4.4
24267230			H	Transport and Install TOF Panel 2 and align relative to panel 1a	22-Feb-16	29-Feb-16	27-Jan-16	70.8	0%	$0	$0	$9,375	$0	-4.4
24267245M			M	Start Beamline Modifications	16-May-16			61.2	0%	$0	$0	$0	$0	0.0
24267255			S	Install mounting adapters for drift chambers	07-Jun-16	20-Jun-16	21-Jun-16	49.8	0%	$0	$0	$25,243	$0	0.0
24267265M			M	Start Installation of Drift Chambers	21-Jun-16			49.8	0%	$0	$0	$0	$0	0.0
24267270		ST	S	Install Region 2 Drift Chamber	21-Jun-16	05-Jul-16	06-Jul-16	49.8	0%	$0	$0	$26,564	$0	0.0
24267280		ST	S	Install Region 1 Drift Chamber	06-Jul-16	19-Jul-16	20-Jul-16	49.8	0%	$0	$0	$26,564	$0	0.0
24267290		ST	S	Install Region 3 Drift Chamber	15-Jul-16	28-Jul-16	29-Jul-16	49.8	0%	$0	$0	$26,564	$0	0.0
24267300			H	Connect / Cable Drift Chambers	27-Jul-16	09-Aug-16	10-Aug-16	49.8	0%	$0	$0	$10,086	$0	0.0
24267355			H	Rig and Transport HTCC to Hall	15-Jul-16	18-Jul-16	19-Jul-16	51.0	0%	$0	$0	$1,953	$0	0.0
24267360			H	Install HTCC cart	19-Jul-16	22-Jul-16	25-Jul-16	51.0	0%	$0	$0	$977	$0	0.0
24267365			H	Install HTCC	25-Jul-16	26-Jul-16	27-Jul-16	51.0	0%	$0	$0	$5,860	$0	0.0
24267370			H	HTCC verify mirror alignment and align detector to beam	27-Jul-16	29-Jul-16	01-Aug-16	51.0	0%	$0	$0	$6,068	$0	0.0
24267375			H	Cable HTCC	01-Aug-16	01-Aug-16	02-Aug-16	51.0	0%	$0	$0	$2,400	$0	0.0
24267380			Z	Install CND	11-Oct-16	12-Oct-16	07-Oct-16	38.4	0%	$0	$0	$0	$0	0.0
24267385		ST	S	Mount, assemble and cable CTOF system	13-Oct-16	26-Oct-16	21-Oct-16	38.4	0%	$0	$0	$46,833	$0	0.0
24267390			H	Align CTOF	27-Oct-16	28-Oct-16	25-Oct-16	38.4	0%	$0	$0	$2,344	$0	0.0
24267395M			M	Central Detector Ready		28-Oct-16	25-Oct-16	38.4	0%	$0	$0	$0	$0	0.0
1.4.2.7 HALL B MAGNETS					01-May-1	04-Nov-16	01-Nov-16	44.6		$2,896,914	$1,092,818	$8,506,720	($252,145)	0.0
1.4.2.7.1 TOROIDAL MAGNET NEW VENDOR					01-Oct-14	28-Jul-15	29-Jun-15	101.4		$969,680	$258,270	$1,301,910	$5,122	-1.8
24271775			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24271780			D	FNAL: M&S	05-Jan-15	19-Jan-15	29-Jan-15		100%	$6,416	$0	$6,416	$0	0.0
24271785			D	FNAL: Solder Copper Shields for CCM#3 (FNAL CCM #5)	05-Jan-15	07-Jan-15	07-Jan-15		100%	$18,355	$0	$18,355	$0	0.0
24271790			D	FNAL:Pot coil in case and ship for CCM#3 (FNAL CCM #5)	07-Jan-15	23-Jan-15	26-Jan-15		100%	$14,418	$0	$14,418	$0	0.0
24271795			D	FNAL: Wind, Test and Compress for CCM#4 (FNAL CCM #6)	05-Jan-15	16-Jan-15	07-Jan-15		100%	$34,152	$0	$34,152	$0	0.0
24271800			D	FNAL: Impregnate, cure and clean-up for CCM#4 (FNAL CCM #6)	05-Jan-15	09-Feb-15	28-Jan-15		100%	$28,094	$0	$28,094	$0	0.0



◆ Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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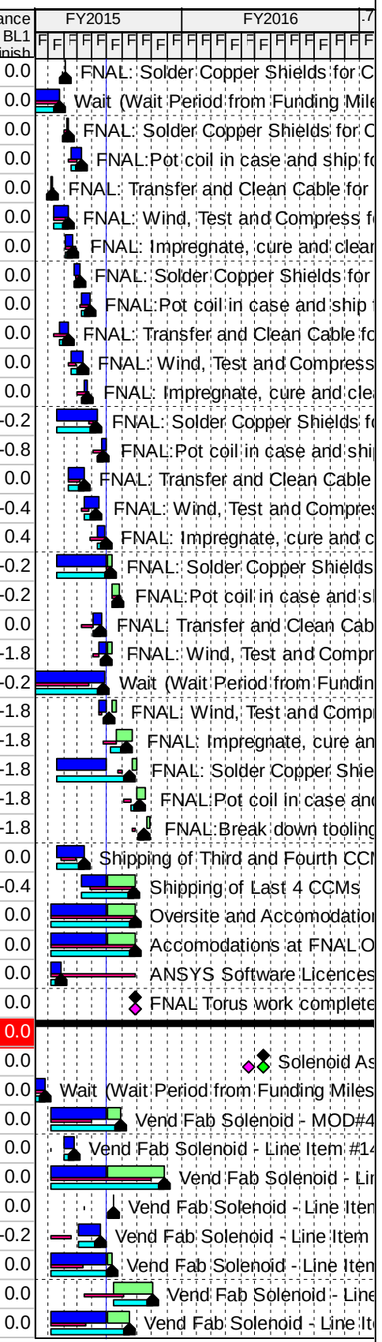
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24271805			D	FNAL: Solder Copper Shields for CCM#4 (FNAL CCM #6) Part A	04-Feb-15	05-Feb-15	30-Jan-15		100%	$7,150	$0	$7,150	$0	0.0
24271810			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Jan-15	23-Jan-15		100%	$0	$0	$0	$0	0.0
24271820			D	FNAL: Solder Copper Shields for CCM#4 (FNAL CCM #6) Part B	06-Feb-15	11-Feb-15	06-Feb-15		100%	$13,386	$0	$13,386	$0	0.0
24271825			D	FNAL:Pot coil in case and ship for CCM#4 (FNAL CCM #6)	16-Feb-15	08-Mar-15	27-Feb-15		100%	$33,456	$0	$33,456	$0	0.0
24271830			D	FNAL: Transfer and Clean Cable for CCM#5 (FNAL CCM #7)	05-Jan-15	09-Jan-15	12-Jan-15		100%	$29,668	$0	$29,668	$0	0.0
24271835			D	FNAL: Wind, Test and Compress for CCM#5 (FNAL CCM #7)	12-Jan-15	09-Feb-15	04-Feb-15		100%	$39,459	$0	$39,459	$0	0.0
24271840			D	FNAL: Impregnate, cure and clean-up for CCM#5 (FNAL CCM #7)	03-Feb-15	20-Feb-15	24-Feb-15		100%	$53,872	$0	$53,872	$0	0.0
24271845			D	FNAL: Solder Copper Shields for CCM#5 (FNAL CCM #7)	23-Feb-15	07-Mar-15	05-Mar-15		100%	$39,384	$0	$39,384	$0	0.0
24271850			D	FNAL:Pot coil in case and ship for CCM#5 (FNAL CCM #7)	08-Mar-15	28-Mar-15	26-Mar-15		100%	$38,663	$0	$38,663	$0	0.0
24271855			D	FNAL: Transfer and Clean Cable for CCM#6 (FNAL CCM #9)	23-Jan-15	09-Feb-15	09-Feb-15		100%	$46,491	$0	$46,491	$0	0.0
24271860			D	FNAL: Wind, Test and Compress for CCM#6 (FNAL CCM #9)	16-Feb-15	13-Mar-15	26-Feb-15		100%	$61,814	$0	$61,814	$0	0.0
24271865			D	FNAL: Impregnate, cure and clean-up for CCM#6 (FNAL CCM #9)	14-Mar-15	22-Mar-15	23-Mar-15		100%	$50,869	$0	$50,869	$0	0.0
24271870			D	FNAL: Solder Copper Shields for CCM#6 (FNAL CCM #9)	19-Jan-15	11-Apr-15	01-Apr-15		100%	$46,491	$37,193	$46,491	$0	-0.2
24271875			D	FNAL:Pot coil in case and ship for CCM#6 (FNAL CCM #9)	20-Apr-15	30-Apr-15	23-Apr-15		100%	$36,510	$36,510	$36,510	$0	-0.8
24271880			D	FNAL: Transfer and Clean Cable for CCM#7 (FNAL CCM #8)	09-Feb-15	15-Mar-15	06-Mar-15		100%	$44,278	$0	$44,278	$0	0.0
24271885			D	FNAL: Wind, Test and Compress for CCM#7 (FNAL CCM #8)	16-Mar-15	13-Apr-15	25-Mar-15		100%	$58,844	$47,075	$58,844	$0	-0.4
24271890			D	FNAL: Impregnate, cure and clean-up for CCM#7 (FNAL CCM #8)	12-Apr-15	27-Apr-15	29-Apr-15		100%	$48,440	$48,440	$48,440	$0	0.4
24271895			D	FNAL: Solder Copper Shields for CCM#7 (FNAL CCM #8)	19-Jan-15	11-May-15	08-May-15	95.2	20%	$8,856	$0	$44,278	$8,856	-0.2
24271900			D	FNAL:Pot coil in case and ship for CCM#7 (FNAL CCM #8)	12-May-15	26-May-15	28-May-15	95.2	0%	$0	$0	$34,769	$0	-0.2
24271905			D	FNAL: Transfer and Clean Cable for CCM#8 (FNAL CCM #10)	01-Apr-15	19-Apr-15	02-Apr-15		100%	$44,278	$44,278	$44,278	$0	0.0
24271910			D	FNAL: Wind, Test and Compress for CCM#8 (FNAL CCM #10) Part A	13-Apr-15	11-May-15	13-Apr-15	101.2	20%	$5,846	$5,846	$29,229	($23,383)	-1.8
24271915			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	27-Apr-15	25-Mar-15		100%	$0	$0	$0	$0	-0.2
24271925			D	FNAL: Wind, Test and Compress for CCM#8 (FNAL CCM #10) Part B	13-Apr-15	19-May-15	21-Apr-15	101.2	20%	$5,923	$5,923	$29,616	($23,693)	-1.8
24271930			D	FNAL: Impregnate, cure and clean-up for CCM#8 (FNAL CCM #10)	20-May-15	22-Jun-15	21-May-15	101.2	0%	$0	$0	$48,440	$0	-1.8
24271935			D	FNAL: Solder Copper Shields for CCM#8 (FNAL CCM #10)	19-Jan-15	30-Jun-15	02-Jun-15	101.2	20%	$8,856	$0	$44,278	$8,856	-1.8
24271940			D	FNAL:Pot coil in case and ship for CCM#8 (FNAL CCM #10)	01-Jul-15	20-Jul-15	19-Jun-15	101.2	0%	$0	$0	$34,769	$0	-1.8
24271945			D	FNAL:Break down tooling and ship to JLab	21-Jul-15	28-Jul-15	29-Jun-15	101.2	0%	$0	$0	$35,479	$0	-1.8
24271950			D	Shipping of Third and Fourth CCM	19-Jan-15	16-Mar-15	25-Feb-15		100%	$9,400	$0	$9,400	$0	0.0
24271955			D	Shipping of Last 4 CCMs	09-Mar-15	29-Jun-15	22-Jun-15	105.2	50%	$9,400	$4,700	$18,800	$9,400	-0.4
24271960			E	Oversite and Accomodations for FNAL Contract	05-Jan-15	29-Jun-15	29-Jun-15	105.2	67.48%	$101,824	$26,995	$150,895	$0	0.0
24271965			E	Accomodations at FNAL Obligated at time of FY15 ETC	05-Jan-15	29-Jun-15	29-Jun-15	105.2	67.48%	$4,939	$1,309	$7,319	$4,939	0.0
24271970			D	ANSYS Software Licences Obligated at time of FY15 ETC	05-Jan-15	26-Jan-15	29-Jun-15		100%	$20,148	$0	$20,148	$20,148	0.0
24271975M			M	FNAL Torus work complete		29-Jun-15	29-Jun-15	105.2	0%	$0	$0	$0	$0	0.0
1.4.2.7.2 SOLENOID MAGNET NEW VENDOR					01-Oct-14	04-Nov-16	01-Nov-16	44.6		$56,388	$79,634	$1,792,099	($58,244)	0.0
24272125M			D	Solenoid Assembled		16-Mar-16	16-Feb-16	70.2	0%	$0	$0	$0	$0	0.0
24272415			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24272485			D	Vend Fab Solenoid - MOD#4 - Provide Samples of Conductor for Mechanical Te	05-Jan-15	29-May-15	31-Mar-15	109.2	0%	$0	$0	$32,320	($32,320)	0.0
24272490			D	Vend Fab Solenoid - Line Item #14 - Prototype Inner Coil Winding Setup (PSMN	02-Feb-15	23-Feb-15	05-Jan-15		100%	$19,909	$0	$19,909	$0	0.0
24272500			D	Vend Fab Solenoid - Line Item #16 - Materials for Cold Mass Received (Bobbin,	05-Jan-15	28-Aug-15	31-Jul-15	41.6	0%	$0	$0	$326,055	$0	0.0
24272505			D	Vend Fab Solenoid - Line Item #17 - QA/QC Plan Acceptance	13-May-15	13-May-15	16-Mar-15	56.4	0%	$0	$0	$0	$0	0.0
24272510			D	Vend Fab Solenoid - Line Item #18 - Prototype Inner Coil Winding Complete (PS	02-Mar-15	18-Apr-15	16-Feb-15		100%	$79,634	$79,634	$79,634	$0	-0.2
24272515			D	Vend Fab Solenoid - Line Item #19 - MRR (Review manufacturing and QA for all	05-Jan-15	12-May-15	13-Mar-15	55.8	0%	$0	$0	$0	$0	0.0
24272520			D	Vend Fab Solenoid - Line Item #20 - Materials for Final Assembly Received	13-May-15	03-Aug-15	03-Jun-15	55.8	0%	$0	$0	$218,994	$0	0.0
24272525			D	Vend Fab Solenoid - Line Item #21 - Winding and Potting Tooling - Intermediate	05-Jan-15	16-Jun-15	17-Mar-15	39.6	0%	$0	$0	$19,909	($19,909)	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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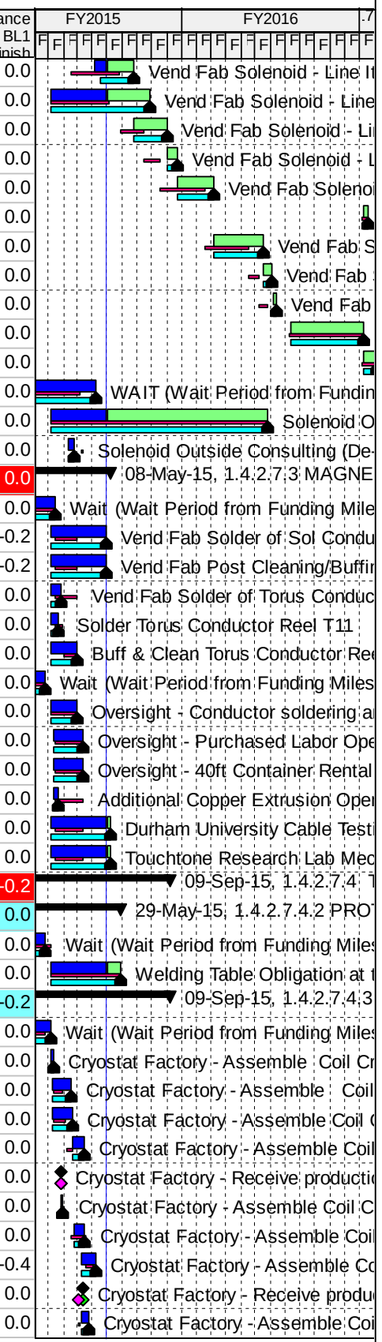
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24272530			D	Vend Fab Solenoid - Line Item #22 - Inner Coils Wound & Potted	06-Apr-15	24-Jun-15	27-May-15	38.4	0%	$0	$0	$99,543	$0	0.0
24272535			D	Vend Fab Solenoid - Line Item #23 - Winding and Potting Tooling - Shield Coil	05-Jan-15	27-Jul-15	04-May-15	43.6	0%	$0	$0	$29,863	($15,810)	0.0
24272540			D	Vend Fab Solenoid - Line Item #24 - Intermediate Coils Wound & Potted	25-Jun-15	01-Sep-15	16-Jul-15	38.4	0%	$0	$0	$179,177	$0	0.0
24272545			D	Vend Fab Solenoid - Line Item #25 - Shield Coil Wound & Potted	02-Sep-15	22-Sep-15	18-Aug-15	38.4	0%	$0	$0	$179,177	$0	0.0
24272550			D	Vend Fab Solenoid - Line Item #26 - Cold Mass Assembly Complete	23-Sep-15	07-Dec-15	17-Nov-15	38.4	0%	$0	$0	$136,651	$0	0.0
24272555			D	Vend Fab Solenoid - Line Item #27 - Correction Coils Wound & Potted	11-Oct-16	19-Oct-16	14-Oct-16	46.8	0%	$0	$0	$0	$0	0.0
24272560			D	Vend Fab Solenoid - Line Item #28 - Solenoid Magnet Final Assembly Complete	08-Dec-15	16-Mar-16	16-Feb-16	38.4	0%	$0	$0	$133,211	$0	0.0
24272565			D	Vend Fab Solenoid - Line Item #29 - Solenoid Magnet Acceptance Testing Com	17-Mar-16	05-Apr-16	07-Mar-16	38.4	0%	$0	$0	$183,158	$0	0.0
24272570			D	Vend Fab Solenoid - Line Item #30 - Solenoid Magnet Received on-site at Jeffe	06-Apr-16	12-Apr-16	25-Mar-16	38.4	0%	$0	$0	$0	$0	0.0
24272575			D	Vend Fab Solenoid - Line Item #31 - Final Acceptance Complete at Jefferson La	12-May-16	10-Oct-16	05-Oct-16	44.4	0%	$0	$0	$99,543	$0	0.0
24272580			D	Vend Fab Solenoid - Line Item #32 - Final Documentation Package Acceptance	11-Oct-16	04-Nov-16	01-Nov-16	44.4	0%	$0	$0	$9,955	$0	0.0
24272585			D	WAIT (Wait Period from Funding Milestone)	01-Oct-14	07-Apr-15	06-Mar-15		100%	$0	$0	$0	$0	0.0
24272590			D	Solenoid Outside Consulting	05-Jan-15	25-Mar-16	25-Mar-16	68.8	10%	$9,795	$0	$97,950	$9,795	0.0
24272595			H	Solenoid Outside Consulting (De-Obligation)	09-Feb-15	23-Feb-15	13-Mar-15		100%	($52,950)	$0	($52,950)	$0	0.0
1.4.2.7.3 MAGNET INFRASTRUCTURE					01-Oct-14	08-May-15	11-Mar-15	112.4		$186,491	$70,272	$230,684	($44,193)	0.0
24273110			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	14-Jan-15	14-Jan-15		100%	$0	$0	$0	$0	0.0
24273120			D	Vend Fab Solder of Sol Conductor Peg Point #8-Delivery of 4th set of Sol Cond	05-Jan-15	29-Apr-15	27-Feb-15		100%	$49,007	$49,007	$49,007	$0	-0.2
24273125			D	Vend Fab Post Cleaning/Buffing of Conductor Peg Point #14	05-Jan-15	29-Apr-15	27-Feb-15		100%	$21,264	$21,264	$21,264	$0	-0.2
24273150			D	Vend Fab Solder of Torus Conductor - Delivery of Torus Coil T9 - Peg Point #19	05-Jan-15	26-Jan-15	27-Feb-15		100%	$21,793	$0	$21,793	$0	0.0
24273160			D	Solder Torus Conductor Reel T11	05-Jan-15	19-Jan-15	30-Jan-15		100%	$36,500	$0	$36,500	$0	0.0
24273165			D	Buff & Clean Torus Conductor Reel T11	05-Jan-15	27-Feb-15	27-Feb-15		100%	$11,500	$0	$11,500	$0	0.0
24273170			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24273175			E	Oversight - Conductor soldering and cleaning	05-Jan-15	27-Feb-15	27-Feb-15		100%	$23,306	$0	$23,306	$0	0.0
24273180			E	Oversight - Purchased Labor Open Obligation at time of FY15 ETC	11-Jan-15	11-Mar-15	11-Mar-15		100%	$832	$0	$832	$0	0.0
24273185			E	Oversight - 40ft Container Rental Open Obligation at time of FY15 ETC	11-Jan-15	11-Mar-15	11-Mar-15		100%	$551	$0	$551	$0	0.0
24273190			D	Additional Copper Extrusion Open Obligation at time of FY15 ETC	11-Jan-15	19-Jan-15	11-Mar-15		100%	$8,237	$0	$8,237	$0	0.0
24273195			D	Durham University Cable Testing Open Obligation at time of FY15 ETC	05-Jan-15	08-May-15	11-Mar-15	112.0	25%	$13,500	$0	$54,000	($40,500)	0.0
24273200			D	Touchtone Research Lab Mechanical Tests Open Obligation at time of FY15 ET	05-Jan-15	08-May-15	11-Mar-15	112.0	0%	$0	$0	$3,693	($3,693)	0.0
1.4.2.7.4 TORUS CRYOSTAT FACTORY					01-Oct-14	09-Sep-15	08-Sep-15	97.4		$508,780	$165,651	$838,783	$21,113	-0.2
1.4.2.7.4.2 PROTOTYPE					01-Oct-14	29-May-15	29-May-15	109.6		$15,658	$4,151	$19,432	$15,658	0.0
242742085			E	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	05-Jan-15		100%	$0	$0	$0	$0	0.0
242742095			E	Welding Table Obligation at time of FY15 ETC	05-Jan-15	29-May-15	29-May-15	109.2	30.58%	$15,658	$4,151	$19,432	$15,658	0.0
1.4.2.7.4.3 PRODUCTION					01-Oct-14	09-Sep-15	08-Sep-15	97.4		$493,122	$161,500	$819,351	$5,455	-0.2
242743130		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	05-Jan-15	23-Dec-14		100%	$0	$0	$0	$0	0.0
242743140		ST	S	Cryostat Factory - Assemble Coil Cryostat #1 with cold mass (MLI and LN2 shi	05-Jan-15	12-Jan-15	12-Jan-15		100%	$14,788	$0	$14,788	$0	0.0
242743145		ST	S	Cryostat Factory - Assemble Coil Cryostat #1 with cold mass (Vac jacket welc	08-Jan-15	16-Feb-15	29-Jan-15		100%	$51,096	$0	$51,096	$0	0.0
242743155		ST	S	Cryostat Factory - Assemble Coil Cryostat #2 with cold mass (MLI and LN2 shie	10-Jan-15	19-Feb-15	05-Feb-15		100%	$70,567	$0	$70,567	$0	0.0
242743160		ST	S	Cryostat Factory - Assemble Coil Cryostat #2 with cold mass (Vac jacket weld u	20-Feb-15	15-Mar-15	20-Feb-15		100%	$19,139	$0	$19,139	$0	0.0
242743165M			M	Cryostat Factory - Receive production coil case #3	27-Jan-15				100%	$0	$0	$0	$0	0.0
242743170		ST	S	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (Receive, QA and	27-Jan-15	30-Jan-15	02-Feb-15		100%	$27,489	$0	$27,489	$0	0.0
242743175		ST	S	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (MLI and LN2 shie	23-Feb-15	15-Mar-15	17-Mar-15		100%	$63,507	$0	$63,507	$0	0.0
242743180		ST	S	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (Vac jacket weld u	09-Mar-15	09-Apr-15	03-Apr-15		100%	$19,139	$10,756	$19,139	$0	-0.4
242743185M			M	Cryostat Factory - Receive production coil case #4	11-Mar-15				100%	$0	$0	$0	$0	0.0
242743190		ST	S	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (Receive, QA and	09-Mar-15	23-Mar-15	06-Mar-15		100%	$27,489	$0	$27,489	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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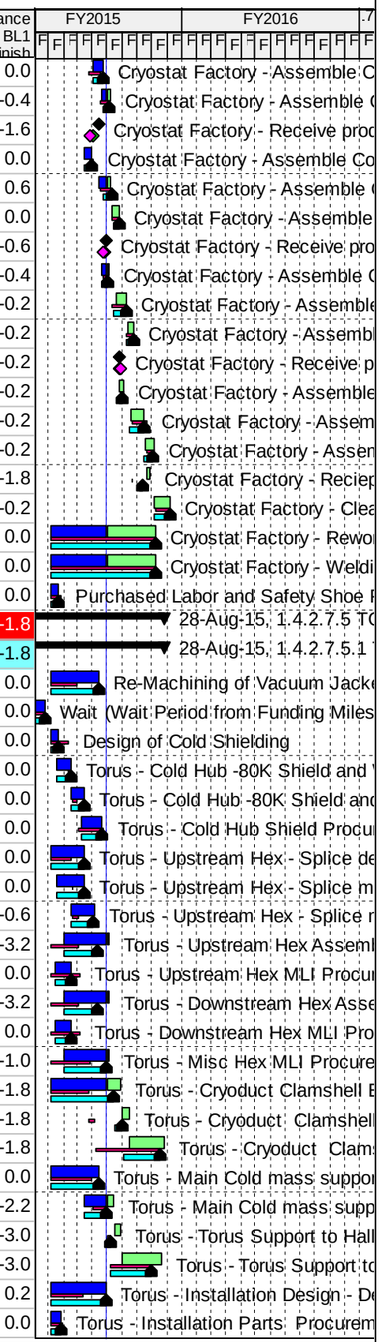
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242743195		ST	S	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (MLI and LN2 shie	01-Apr-15	22-Apr-15	16-Apr-15		100%	$63,507	$63,507	$63,507	$0	0.0
242743200		ST	S	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (Vac jacket weld u	20-Apr-15	08-May-15	04-May-15	51.6	56.3%	$10,776	$10,776	$19,139	($5,174)	-0.4
242743205M			M	Cryostat Factory - Receive production coil case #5	13-Apr-15				100%	$0	$0	$0	$0	-1.6
242743210		ST	S	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (Receive, QA and	16-Mar-15	30-Mar-15	02-Apr-15		100%	$27,489	$0	$27,489	$0	0.0
242743215		ST	S	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (MLI and LN2 shie	15-Apr-15	07-May-15	11-May-15	51.4	84.5%	$53,663	$53,663	$63,507	$16,306	0.6
242743220		ST	S	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (Vac jacket weld u	11-May-15	26-May-15	26-May-15	51.6	0%	$0	$0	$19,139	$0	0.0
242743225M			M	Cryostat Factory - Receive production coil case #6	30-Apr-15				100%	$0	$0	$0	$0	-0.6
242743230		ST	S	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (Receive, QA and	20-Apr-15	05-May-15	30-Apr-15	50.0	55.5%	$15,257	$15,257	$27,489	($12,233)	-0.4
242743235		ST	S	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (MLI and LN2 shie	19-May-15	11-Jun-15	09-Jun-15	50.0	0%	$0	$0	$63,507	$0	-0.2
242743240		ST	S	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (Vac jacket weld u	12-Jun-15	26-Jun-15	26-Jun-15	50.0	0%	$0	$0	$19,139	$0	-0.2
242743245M			M	Cryostat Factory - Receive production coil case #7	27-May-15			95.2	0%	$0	$0	$0	$0	-0.2
242743250		ST	S	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (Receive, QA and	27-May-15	03-Jun-15	05-Jun-15	95.2	0%	$0	$0	$27,489	$0	-0.2
242743255		ST	S	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (MLI and LN2 shie	18-Jun-15	17-Jul-15	21-Jul-15	95.2	0%	$0	$0	$63,507	$0	-0.2
242743260		ST	S	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (Vac jacket weld u	20-Jul-15	05-Aug-15	07-Aug-15	95.2	0%	$0	$0	$19,139	$0	-0.2
242743262		ST	S	Cryostat Factory - Reciept Inspection ONLY of CCM #8	21-Jul-15	27-Jul-15	23-Jun-15	103.4	0%	$0	$0	$9,258	$0	-1.8
242743265			U	Cryostat Factory - Clean up And ship to site	06-Aug-15	09-Sep-15	08-Sep-15	95.2	0%	$0	$0	$50,970	$0	-0.2
242743270			E	Cryostat Factory - Rework	05-Jan-15	10-Aug-15	10-Aug-15	99.4	54.61%	$21,889	$5,804	$40,082	$2	0.0
242743275			E	Cryostat Factory - Welding Table Rental	05-Jan-15	10-Aug-15	10-Aug-15	99.4	54.61%	$6,553	$1,738	$12,000	$6,553	0.0
242743280		ST	S	Purchased Labor and Safety Shoe Purchase Open Obligation at time of FY15 E	05-Jan-15	20-Jan-15	26-Jan-15		100%	$773	$0	$773	$0	0.0
1.4.2.7.5 TORUS MAGNET DESIGN/PARTS					01-Oct-14	28-Aug-15	17-Aug-15	96.8		$228,300	$41,210	$322,346	($34,250)	-1.8
1.4.2.7.5.1 TORUS MAGNET DESIGN/PARTS					01-Oct-14	28-Aug-15	17-Aug-15	96.8		$228,300	$41,210	$322,346	($34,250)	-1.8
242751164			D	Re-Machining of Vacuum Jackets	05-Jan-15	15-Apr-15	27-Feb-15		100%	$26,897	$3,228	$26,897	$0	0.0
242751166			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242751168			H	Design of Cold Shielding	05-Jan-15	19-Jan-15	10-Feb-15		100%	$732	$0	$732	$0	0.0
242751169			H	Torus - Cold Hub -80K Shield and Warm Bore Final Drafting	19-Jan-15	17-Feb-15	17-Feb-15		100%	$1,887	$0	$1,887	$0	0.0
242751171			H	Torus - Cold Hub -80K Shield and Warm Bore Procurement Prep	17-Feb-15	16-Mar-15	27-Feb-15		100%	$1,541	$0	$1,541	$0	0.0
242751172			H	Torus - Cold Hub Shield Procurement (Includes Cold Shielding)	09-Mar-15	20-Apr-15	24-Apr-15		100%	$5,000	$2,500	$5,000	$0	0.0
242751216			H	Torus - Upstream Hex - Splice design and tooling - Insulation, strapping to reco	05-Jan-15	16-Mar-15	17-Feb-15		100%	$6,577	$0	$6,577	$0	0.0
242751217			H	Torus - Upstream Hex - Splice mounting and tooling Procurement Prep	19-Jan-15	16-Mar-15	18-Feb-15		100%	$1,541	$0	$1,541	$0	0.0
242751218			D	Torus - Upstream Hex - Splice mounting and tooling Procurement	16-Feb-15	06-Apr-15	04-Mar-15		100%	$41,000	$16,400	$41,000	$0	-0.6
242751242			D	Torus - Upstream Hex Assembly Outfitting Parts Procurement	02-Feb-15	04-May-15	02-Mar-15	54.4	80%	$20,194	$5,049	$25,243	($5,049)	-3.2
242751260A			D	Torus - Upstream Hex MLI Procurement	16-Jan-15	16-Feb-15	06-Mar-15		100%	$10,000	$0	$10,000	$0	0.0
242751292			D	Torus - Downstream Hex Assembly Outfitting Parts Procurement	02-Feb-15	04-May-15	02-Mar-15	49.8	80%	$12,000	$3,000	$15,000	($3,000)	-3.2
242751300A			D	Torus - Downstream Hex MLI Procurement	16-Jan-15	16-Feb-15	06-Mar-15		100%	$10,000	$0	$10,000	$0	0.0
242751310A			D	Torus - Misc Hex MLI Procurement	02-Feb-15	05-May-15	27-Mar-15	83.4	0%	$0	$0	$6,191	($6,191)	-1.0
242751325A		ST	S	Torus - Cryoduct Clamshell Engineering,Design and Drafting	05-Jan-15	29-May-15	23-Mar-15	68.4	20%	$2,310	$1,155	$11,552	($9,242)	-1.8
242751330A			H	Torus - Cryoduct Clamshell Procurement Prep	02-Jun-15	15-Jun-15	06-Apr-15	68.4	0%	$0	$0	$1,541	($1,541)	-1.8
242751335A			D	Torus - Cryoduct Clamshell Procurement	16-Jun-15	28-Aug-15	17-Aug-15	68.4	0%	$0	$0	$8,255	$0	-1.8
242751360A			H	Torus - Main Cold mass support system - Attachment to Floor Engineering (Leg	05-Jan-15	15-Apr-15	31-Mar-15		100%	$6,164	$3,082	$6,164	$0	0.0
242751365A			H	Torus - Main Cold mass support system - Attachment to Floor Modeling and Dra	16-Mar-15	15-May-15	30-Apr-15	66.2	50%	$3,176	$0	$6,353	($3,176)	-2.2
242751380A			H	Torus - Torus Support to Hall floor Assembly Procurement Prep (Legs)	18-May-15	29-May-15	07-May-15	66.2	0%	$0	$0	$1,541	$0	-3.0
242751385A			D	Torus - Torus Support to Hall floor Assembly Procurement (Legs)	02-Jun-15	20-Aug-15	30-Jul-15	66.2	0%	$0	$0	$45,000	$0	-3.0
242751417		ST	S	Torus - Installation Design - Develop procedures and safety documentation	05-Jan-15	29-Apr-15	13-Mar-15		100%	$14,818	$3,704	$14,818	$0	0.2
242751440A			D	Torus - Installation Parts Procurement (Jack Stands)	05-Jan-15	26-Jan-15	30-Jan-15		100%	$24,720	$0	$24,720	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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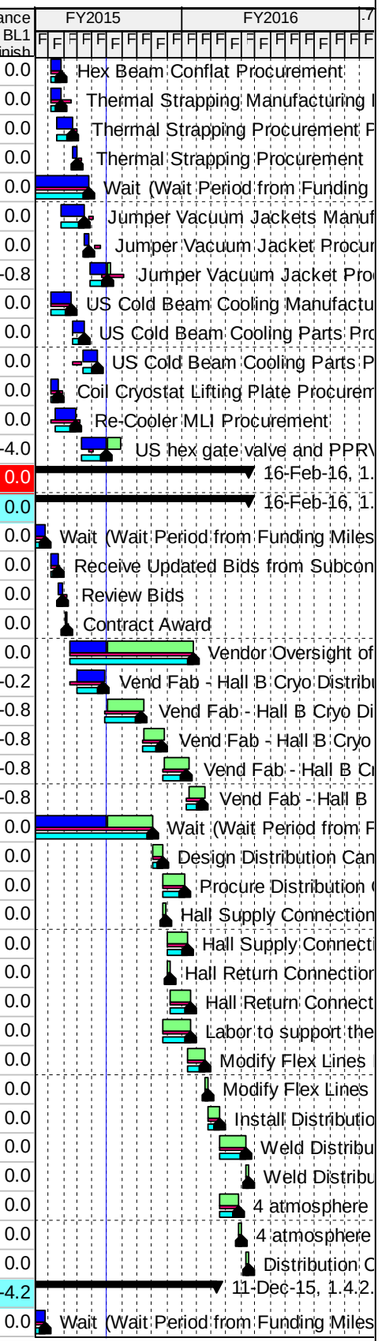
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242751460			D	Hex Beam Conflat Procurement	05-Jan-15	26-Jan-15	30-Jan-15		100%	$4,501	$0	$4,501	$0	0.0
242751462			H	Thermal Strapping Manufacturing Drawings	05-Jan-15	26-Jan-15	17-Feb-15		100%	$3,285	$0	$3,285	$0	0.0
242751463			H	Thermal Strapping Procurement Prep	19-Jan-15	19-Feb-15	27-Feb-15		100%	$616	$0	$616	$0	0.0
242751465			D	Thermal Strapping Procurement	20-Feb-15	27-Feb-15	09-Mar-15		100%	$1,000	$0	$1,000	$0	0.0
242751470			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Mar-15	20-Mar-15		100%	$0	$0	$0	$0	0.0
242751475			H	Jumper Vacuum Jackets Manufacturing Drawings	26-Jan-15	16-Mar-15	03-Apr-15		100%	$7,586	$0	$7,586	$0	0.0
242751477			H	Jumper Vacuum Jacket Procurement Prep	16-Mar-15	23-Mar-15	17-Apr-15		100%	$616	$0	$616	$0	0.0
242751480			D	Jumper Vacuum Jacket Procurement	27-Mar-15	07-May-15	05-Jun-15	76.4	0%	$0	$0	$5,000	$0	-0.8
242751485			H	US Cold Beam Cooling Manufacturing Drawings	05-Jan-15	17-Feb-15	17-Feb-15		100%	$5,163	$0	$5,163	$0	0.0
242751487			H	US Cold Beam Cooling Parts Procurement Prep	18-Feb-15	16-Mar-15	19-Feb-15		100%	$616	$0	$616	$0	0.0
242751490			D	US Cold Beam Cooling Parts Procurement	13-Mar-15	12-Apr-15	09-Mar-15		100%	$5,154	$3,092	$5,154	$0	0.0
242751500			D	Coil Cryostat Lifting Plate Procurement	05-Jan-15	19-Jan-15	30-Jan-15		100%	$2,000	$0	$2,000	$0	0.0
242751505			D	Re-Cooler MLI Procurement	16-Jan-15	24-Feb-15	06-Mar-15		100%	$3,154	$0	$3,154	$0	0.0
242751510			D	US hex gate valve and PPRV	09-Mar-15	29-May-15	01-Apr-15	50.8	50%	$6,050	$0	$12,101	($6,050)	-4.0
1.4.2.7.6 TORUS CRYOGENICS					01-Oct-14	16-Feb-16	16-Feb-16	74.6		$416,494	$208,677	$1,296,873	$42,639	0.0
1.4.2.7.6.1 CRYO DISTRIBUTION CAN					01-Oct-14	16-Feb-16	16-Feb-16	54.6		$161,831	$145,018	$586,775	($1)	0.0
242761035			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242761060			H	Receive Updated Bids from Subcontractors	05-Jan-15	19-Jan-15	23-Jan-15		100%	$3,082	$0	$3,082	$0	0.0
242761065			H	Review Bids	20-Jan-15	30-Jan-15	06-Feb-15		100%	$10,035	$0	$10,035	$0	0.0
242761070			Z	Contract Award	04-Feb-15	06-Feb-15	11-Feb-15		100%	$0	$0	$0	$0	0.0
242761075			E	Vendor Oversight of Hall B Cryo Distribution Can	12-Feb-15	26-Oct-15	26-Oct-15	60.6	31.28%	$6,087	$2,391	$19,459	($1)	0.0
242761081			D	Vend Fab - Hall B Cryo Distribution Can - Peg Point #1 Receipt of Raw Materials	27-Feb-15	27-Apr-15	24-Apr-15		100%	$142,627	$142,627	$142,627	$0	-0.2
242761082			D	Vend Fab - Hall B Cryo Distribution Can - Peg Point #2 Code Stamp HXs and N	01-May-15	16-Jul-15	10-Jul-15	57.2	0%	$0	$0	$93,900	$0	-0.8
242761083			D	Vend Fab - Hall B Cryo Distribution Can - Peg Point #3 Solenoid Pod Vessel Cc	17-Jul-15	27-Aug-15	21-Aug-15	57.2	0%	$0	$0	$62,300	$0	-0.8
242761084			D	Vend Fab - Hall B Cryo Distribution Can - Peg Point #4 Torus Pod Complete	28-Aug-15	15-Oct-15	09-Oct-15	57.2	0%	$0	$0	$67,300	$0	-0.8
242761089			D	Vend Fab - Hall B Cryo Distribution Can - Peg Point #5 Delivery	16-Oct-15	18-Nov-15	12-Nov-15	57.2	0%	$0	$0	$39,453	$0	-0.8
242761090			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	03-Aug-15	03-Aug-15	54.4	100%	$0	$0	$0	$0	0.0
242761095			H	Design Distribution Can Supports	04-Aug-15	24-Aug-15	24-Aug-15	54.4	0%	$0	$0	$3,659	$0	0.0
242761100			D	Procure Distribution Can Supports	25-Aug-15	06-Oct-15	06-Oct-15	61.4	0%	$0	$0	$0	$0	0.0
242761145			H	Hall Supply Connections Design	25-Aug-15	31-Aug-15	31-Aug-15	54.4	0%	$0	$0	$6,258	$0	0.0
242761150.			D	Hall Supply Connections Procure Components	01-Sep-15	13-Oct-15	13-Oct-15	54.4	0%	$0	$0	$40,900	$0	0.0
242761155			D	Hall Return Connections Design	01-Sep-15	08-Sep-15	08-Sep-15	59.4	0%	$0	$0	$5,007	$0	0.0
242761160			D	Hall Return Connections Procure Components	09-Sep-15	20-Oct-15	20-Oct-15	59.4	0%	$0	$0	$14,000	$0	0.0
242761165			D	Labor to support the Supply and Return Procurements	25-Aug-15	20-Oct-15	20-Oct-15	59.4	0%	$0	$0	$10,796	$0	0.0
242761166			D	Modify Flex Lines Install	14-Oct-15	17-Nov-15	17-Nov-15	54.4	0%	$0	$0	$19,532	$0	0.0
242761167			D	Modify Flex Lines Test and QC	18-Nov-15	24-Nov-15	24-Nov-15	54.4	0%	$0	$0	$3,906	$0	0.0
242761170			D	Install Distribution Can	25-Nov-15	17-Dec-15	17-Dec-15	54.4	0%	$0	$0	$11,719	$0	0.0
242761175			D	Weld Distribution Can to Transfer Line	18-Dec-15	09-Feb-16	09-Feb-16	54.4	0%	$0	$0	$11,719	$0	0.0
242761180			D	Weld Distribution Can Test and QC	10-Feb-16	16-Feb-16	16-Feb-16	54.4	0%	$0	$0	$3,906	$0	0.0
242761185			D	4 atmosphere supply fab and install	18-Dec-15	26-Jan-16	26-Jan-16	55.4	0%	$0	$0	$7,813	$0	0.0
242761190			D	4 atmosphere supply test and QC	27-Jan-16	02-Feb-16	02-Feb-16	55.4	0%	$0	$0	$1,591	$0	0.0
242761200			H	Distribution Can - Connect Instrumentation and valves	10-Feb-16	16-Feb-16	16-Feb-16	54.4	0%	$0	$0	$7,813	$0	0.0
1.4.2.7.6.2 CRYO CONTROL CAN					01-Oct-14	11-Dec-15	16-Dec-15	82.4		$254,663	$63,659	$710,097	$42,639	-4.2
242762050			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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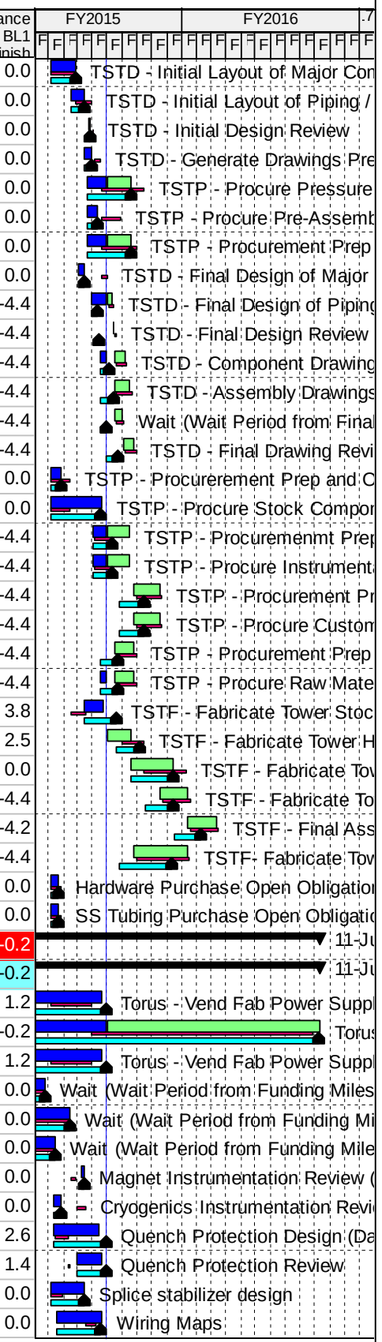
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242762060		ST	S	TSTD - Initial Layout of Major Components	05-Jan-15	25-Feb-15	25-Feb-15		100%	$73,969	$0	$73,969	$0	0.0
242762065		ST	S	TSTD - Initial Layout of Piping / Secondary Components	16-Feb-15	16-Mar-15	31-Mar-15		100%	$21,525	$0	$21,525	$0	0.0
242762070			D	TSTD - Initial Design Review	24-Mar-15	28-Mar-15	03-Apr-15		100%	$8,384	$0	$8,384	$0	0.0
242762075			H	TSTD - Generate Drawings Pressure Vessels & Pre-Assembly Components	16-Mar-15	31-Mar-15	17-Apr-15		100%	$7,490	$0	$7,490	$0	0.0
242762080			D	TSTP - Procure Pressure Vessels	20-Mar-15	18-Jun-15	15-Jul-15	55.4	0%	$0	$0	$55,000	$0	0.0
242762085			D	TSTP - Procure Pre-Assembly Components	20-Mar-15	12-Apr-15	29-May-15		100%	$15,000	$7,500	$15,000	$15,000	0.0
242762090			H	TSTP - Procurement Prep and Oversight of Pressure Vessels and Pre-Assembl	20-Mar-15	18-Jun-15	30-Jun-15	55.4	50%	$1,541	$0	$3,082	$986	0.0
242762095			H	TSTD - Final Design of Major Components	02-Mar-15	14-Mar-15	01-May-15		100%	$7,564	$0	$7,564	$756	0.0
242762100			H	TSTD - Final Design of Piping / Secondary Components	31-Mar-15	12-May-15	15-May-15	51.2	50%	$3,782	$0	$7,564	$3,782	-4.4
242762105			H	TSTD - Final Design Review	13-May-15	15-May-15	20-May-15	51.2	0%	$0	$0	$5,901	$0	-4.4
242762110		ST	S	TSTD - Component Drawings	18-Apr-15	08-Jun-15	11-Jun-15	53.8	33.4%	$6,173	$6,173	$18,482	$6,173	-4.4
242762115			S	TSTD - Assembly Drawings	18-May-15	17-Jun-15	22-Jun-15	52.4	0%	$0	$0	$18,482	$0	-4.4
242762120			Z	Wait (Wait Period from Final Design Review to Start of Drawing Review)	18-May-15	02-Jun-15	05-Jun-15	51.2	0%	$0	$0	$0	$0	-4.4
242762200			S	TSTD - Final Drawing Review / Update Cycle	03-Jun-15	25-Jun-15	30-Jun-15	51.2	0%	$0	$0	$14,978	$0	-4.4
242762205			H	TSTP - Procurerement Prep and Oversight of Stock Components	05-Jan-15	26-Jan-15	13-Feb-15		100%	$7,705	$0	$7,705	$0	0.0
242762210			D	TSTP - Procure Stock Components	05-Jan-15	19-Apr-15	13-Feb-15		100%	$59,200	$20,720	$59,200	$0	0.0
242762215			H	TSTP - Procuremenmt Prep and Oversight of Instrumentation	01-Apr-15	15-Jun-15	15-May-15	60.2	50%	$1,156	$1,156	$2,312	($308)	-4.4
242762220			D	TSTP - Procure Instrumentation	01-Apr-15	15-Jun-15	15-May-15	60.2	0%	$0	$0	$37,500	$0	-4.4
242762225			S	TSTP - Procurement Prep and Oversight of Custom Components	26-Jun-15	18-Aug-15	21-Aug-15	51.2	0%	$0	$0	$12,328	$0	-4.4
242762230			D	TSTP - Procure Custom Components	26-Jun-15	18-Aug-15	21-Aug-15	51.2	0%	$0	$0	$50,000	$0	-4.4
242762235			H	TSTP - Procurement Prep and Oversight of Raw Materials	18-May-15	25-Jun-15	30-Jun-15	58.6	0%	$0	$0	$5,394	$0	-4.4
242762240			D	TSTP - Procure Raw Materials	18-Apr-15	25-Jun-15	30-Jun-15	58.6	25%	$16,250	$16,250	$65,000	$16,250	-4.4
242762250		ST	S	TSTF - Fabricate Tower Stock Components	16-Mar-15	22-Apr-15	17-Mar-15		100%	$23,721	$11,860	$23,721	$0	3.8
242762255			S	TSTF - Fabricate Tower Head Pre-Assembly	01-May-15	18-Jun-15	17-Jul-15	67.6	0%	$0	$0	$31,533	$0	2.5
242762260			S	TSTF - Fabricate Tower Major Components	19-Jun-15	15-Sep-15	09-Oct-15	55.4	0%	$0	$0	$46,087	$0	0.0
242762265			S	TSTF - Fabricate Tower Piping Spools	19-Aug-15	14-Oct-15	19-Oct-15	51.2	0%	$0	$0	$25,973	$0	-4.4
242762270			S	TSTF - Final Assembly	15-Oct-15	11-Dec-15	16-Dec-15	51.2	0%	$0	$0	$26,503	$0	-4.2
242762275			S	TSTF- Fabricate Tower Cryo Duct	26-Jun-15	13-Oct-15	16-Oct-15	59.4	0%	$0	$0	$58,218	$0	-4.4
242762285			D	Hardware Purchase Open Obligation at time of FY15 ETC	05-Jan-15	20-Jan-15	26-Jan-15		100%	$742	$0	$742	$0	0.0
242762290			D	SS Tubing Purchase Open Obligation at time of FY15 ETC	05-Jan-15	20-Jan-15	26-Jan-15		100%	$462	$0	$462	$0	0.0
1.4.2.7.7 TORUS INSTUMENTATION AND CONTROL					01-May-1	11-Jul-16	27-Jun-16	54.2		$263,530	$128,685	$841,361	($90,794)	-0.2
1.4.2.7.7.1 TORUS INSTUMENTATION AND CONTROL					01-May-1	11-Jul-16	27-Jun-16	54.2		$263,530	$128,685	$841,361	($90,794)	-0.2
242771050			D	Torus - Vend Fab Power Supply - Peg Point #3 - Factory Test Completed and A	01-May-1	21-Apr-15	30-Mar-15		100%	$59,715	$59,715	$59,715	$0	1.2
242771055			D	Torus - Vend Fab Power Supply - Peg Point #4 - Acceptance Test at JLab	01-May-1	11-Jul-16	27-Jun-16	54.0	0%	$0	$0	$19,905	$0	-0.2
242771060			D	Torus - Vend Fab Power Supply - Peg Point #5 - Receipt of Spares	01-May-1	21-Apr-15	30-Mar-15		100%	$13,020	$13,020	$13,020	$0	1.2
242771070			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242771080			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	13-Feb-15	13-Feb-15		100%	$0	$0	$0	$0	0.0
242771085			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	15-Jan-15	15-Jan-15		100%	$0	$0	$0	$0	0.0
242771100			H	Magnet Instrumentation Review (Sensors,Wiring,LV Chassis, PLC, Fast DAQ)	09-Mar-15	16-Mar-15	26-Feb-15		100%	$7,434	$0	$7,434	$0	0.0
242771105			H	Cryogenics Instrumentation Review	12-Jan-15	26-Jan-15	17-Mar-15		100%	$7,415	$0	$7,415	$0	0.0
242771110		ST	S	Quench Protection Design (Danfysik QD, PLC, Fast DAQ)	12-Jan-15	13-Apr-15	09-Feb-15		100%	$13,389	$2,678	$13,389	$0	2.6
242771115			H	Quench Protection Review	27-Feb-15	21-Apr-15	13-Feb-15		100%	$1,240	$620	$1,240	$0	1.4
242771120		ST	S	Splice stabilizer design	05-Jan-15	16-Mar-15	30-Jan-15		100%	$16,116	$0	$16,116	$0	0.0
242771130		ST	S	Wiring Maps	19-Jan-15	19-Apr-15	08-Apr-15		100%	$19,400	$12,804	$19,400	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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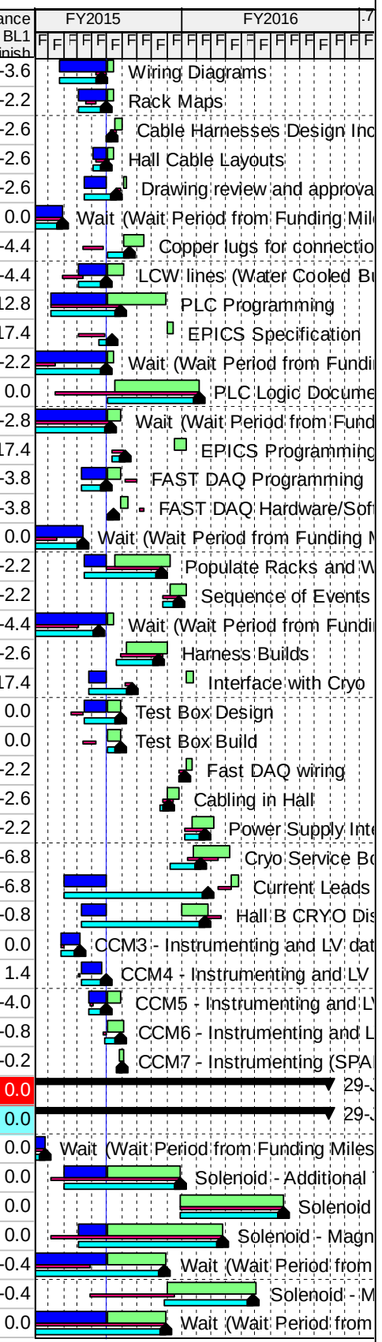
Activity ID	2 Sl R	Activ with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242771135		ST	S	Wiring Diagrams	23-Jan-15	15-May-15	29-Apr-15	60.6	58%	$11,347	$2,739	$19,564	($8,217)	-3.6
242771140		ST	S	Rack Maps	02-Mar-15	15-May-15	07-Apr-15	60.6	60%	$8,013	$6,677	$13,354	($5,342)	-2.2
242771145		ST	S	Cable Harnesses Design Includes Material	18-May-15	02-Jun-15	20-May-15	58.2	0%	$0	$0	$23,787	$0	-2.6
242771150		ST	S	Hall Cable Layouts	01-Apr-15	15-May-15	06-May-15	58.2	0%	$0	$0	$13,981	($11,185)	-2.6
242771155			H	Drawing review and approvals	15-Mar-15	09-Jun-15	28-May-15	58.2	50%	$962	$0	$1,924	$962	-2.6
242771160			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	29-Jan-15	29-Jan-15		100%	$0	$0	$0	$0	0.0
242771165		ST	S	Copper lugs for connections	04-Jun-15	16-Jul-15	23-Apr-15	74.4	0%	$0	$0	$3,046	($3,046)	-4.4
242771170			H	LCW lines (Water Cooled Bus)	02-Mar-15	03-Jun-15	12-Mar-15	74.4	50%	$2,250	$0	$4,500	($2,250)	-4.4
242771175		ST	S	PLC Programming	05-Jan-15	31-Aug-15	29-May-15	54.6	20%	$12,405	$6,202	$62,024	($37,576)	-12.8
242771180			H	EPICS Specification	01-Sep-15	15-Sep-15	27-Apr-15	54.6	0%	$0	$0	$3,033	($3,033)	-17.4
242771185			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	15-May-15	13-Jan-15	52.0	100%	$0	$0	$0	$0	-2.2
242771190		ST	S	PLC Logic Documentation	18-May-15	06-Nov-15	06-Nov-15	52.0	0%	$0	$0	$6,183	($2,259)	0.0
242771195			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	29-May-15	08-May-15	69.4	0%	$0	$0	$0	$0	-2.8
242771200		ST	S	EPICS Programming	16-Sep-15	09-Oct-15	05-Jun-15	54.6	0%	$0	$0	$20,188	$0	-17.4
242771205		ST	S	FAST DAQ Programming	09-Mar-15	28-May-15	02-Jul-15	85.0	20%	$2,133	$1,067	$10,666	$2,133	-3.8
242771210			H	FAST DAQ Hardware/Software Integration debugging	29-May-15	12-Jun-15	17-Jul-15	85.0	0%	$0	$0	$6,543	$0	-3.8
242771215			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	13-Mar-15	16-Jan-15		100%	$0	$0	$0	$0	0.0
242771220		ST	S	Populate Racks and Wire Back Panels	16-Mar-15	08-Sep-15	21-Aug-15	60.6	20%	$12,156	$12,156	$60,781	$11,387	-2.2
242771225		ST	S	Sequence of Events Monitor Build	09-Sep-15	09-Oct-15	24-Sep-15	60.6	0%	$0	$0	$10,718	$0	-2.2
242771230			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	14-May-15	02-Mar-15	69.4	0%	$0	$0	$0	$0	-4.4
242771235		ST	S	Harness Builds	10-Jun-15	02-Sep-15	24-Aug-15	58.2	0%	$0	$0	$28,582	$0	-2.6
242771240		ST	S	Interface with Cryo	25-Mar-15	26-Oct-15	22-Jun-15	54.6	75%	$12,272	$0	$16,363	$12,272	-17.4
242771245			H	Test Box Design	16-Mar-15	28-May-15	12-Mar-15	87.0	50%	$4,461	$0	$8,921	($4,461)	0.0
242771250		ST	S	Test Box Build	01-May-15	28-May-15	08-Apr-15	87.0	0%	$0	$0	$11,921	($11,921)	0.0
242771260		ST	S	Fast DAQ wiring	12-Oct-15	22-Oct-15	07-Oct-15	60.6	0%	$0	$0	$11,477	$0	-2.2
242771265		ST	S	Cabling in Hall	03-Sep-15	24-Sep-15	15-Sep-15	58.2	0%	$0	$0	$61,003	$0	-2.6
242771270		ST	S	Power Supply Integration/installation	23-Oct-15	07-Dec-15	18-Nov-15	60.6	0%	$0	$0	$18,528	$0	-2.2
242771275		ST	S	Cryo Service Box Installation (Electrical/controls)	27-Oct-15	08-Jan-16	16-Dec-15	54.6	0%	$0	$0	$80,386	$0	-6.8
242771280		ST	S	Current Leads Power & voltage tap	02-Feb-15	26-Jan-16	11-Jan-16	55.0	35%	$3,999	$0	$11,426	$3,999	-6.8
242771295		ST	S	Hall B CRYO Distribution Box I and C	09-Mar-15	25-Nov-15	21-Dec-15	61.8	12%	$8,250	$0	$68,750	$8,250	-0.8
242771310		ST	S	CCM3 - Instrumenting and LV data acquisition chassis	26-Jan-15	07-Mar-15	02-Feb-15		100%	$22,016	$0	$22,016	$0	0.0
242771315		ST	S	CCM4 - Instrumenting and LV data acquisition chassis	09-Mar-15	21-Apr-15	06-Mar-15		100%	$22,016	$11,008	$22,016	$0	1.4
242771320		ST	S	CCM5 - Instrumenting and LV data acquisition chassis	23-Mar-15	29-May-15	02-Apr-15	50.6	16%	$3,523	$0	$22,016	($18,493)	-4.0
242771325		ST	S	CCM6 - Instrumenting and LV data acquisition chassis	01-May-15	05-Jun-15	30-Apr-15	50.6	0%	$0	$0	$22,016	($22,016)	-0.8
242771330		ST	S	CCM7 - Instrumenting (SPARE)	27-May-15	03-Jun-15	05-Jun-15	96.2	0%	$0	$0	$18,016	$0	-0.2
1.4.2.7.8 SOLENOID MAGNET DESIGN/PARTS					01-Oct-14	29-Jul-16	30-Aug-16	51.4		$107,005	$32,446	$748,580	($66,351)	0.0
1.4.2.7.8.1 SOLENOID MAGNET DESIGN/PARTS					01-Oct-14	29-Jul-16	30-Aug-16	51.4		$107,005	$32,446	$748,580	($66,351)	0.0
242781045			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242781050			E	Solenoid - Additional Technical Support & Oversite FY15	02-Feb-15	29-Sep-15	29-Sep-15	63.8	38.1%	$94,367	$32,446	$247,682	($15,567)	0.0
242781055			E	Solenoid - Additional Technical Support & Oversite FY16 Until Shipment	30-Sep-15	29-Apr-16	29-Apr-16	63.8	0%	$0	$0	$228,647	$0	0.0
242781060		ST	S	Solenoid - Magnet Installation Design	02-Mar-15	23-Dec-15	23-Dec-15	53.2	8%	$12,638	$0	$157,969	($40,661)	0.0
242781065			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Aug-15	26-Mar-15	66.6	0%	$0	$0	$0	$0	-0.4
242781070			D	Solenoid - Magnet Installation Procurements	01-Sep-15	01-Mar-16	16-Sep-15	66.6	0%	$0	$0	$30,000	$0	-0.4
242781075			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Aug-15	31-Aug-15	66.6	0%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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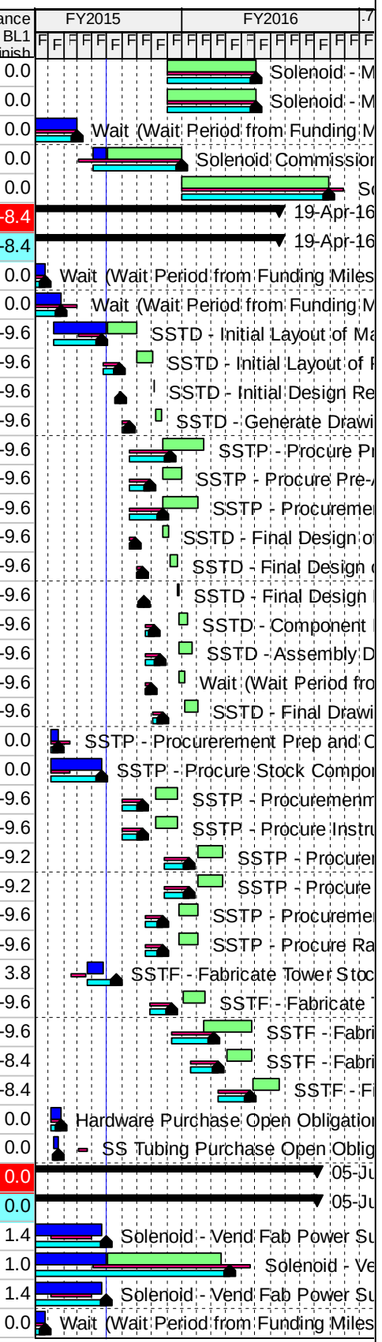
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242781080			D	Solenoid - Magnet Installation TOOLING Procurements	01-Sep-15	01-Mar-16	01-Mar-16	66.6	0%	$0	$0	$30,000	$0	0.0
242781085			D	Solenoid - Magnet Installation TOOLING Expenses	01-Sep-15	01-Mar-16	01-Mar-16	66.6	0%	$0	$0	$10,000	$0	0.0
242781090			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	27-Feb-15	27-Feb-15		100%	$0	$0	$0	$0	0.0
242781095			S	Solenoid Commissioning - Design & Documentation FY15	01-Apr-15	30-Sep-15	30-Sep-15	41.0	0%	$0	$0	$34,282	($10,123)	0.0
242781105			D	Solenoid Commissioning - Design & Documentation Procurements FY16	01-Oct-15	29-Jul-16	30-Aug-16	45.4	0%	$0	$0	$10,000	$0	0.0
1.4.2.7.9 SOLENOID CRYOGENICS					01-Oct-14	19-Apr-16	19-Feb-16	65.6		$64,246	$28,420	$382,795	($34,004)	-8.4
1.4.2.7.9.1 SOLENOID CRYOGENICS					01-Oct-14	19-Apr-16	19-Feb-16	65.6		$64,246	$28,420	$382,795	($34,004)	-8.4
242791100			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242791105			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	26-Jan-15	27-Feb-15		100%	$0	$0	$0	$0	0.0
242791110		ST	S	SSTD - Initial Layout of Major Components	12-Jan-15	30-Jun-15	21-Apr-15	38.4	16.7%	$6,176	$0	$36,985	($30,808)	-9.6
242791115			S	SSTD - Initial Layout of Piping / Secondary Components	01-Jul-15	04-Aug-15	26-May-15	38.4	0%	$0	$0	$10,958	($3,196)	-9.6
242791120			H	SSTD - Initial Design Review	05-Aug-15	07-Aug-15	29-May-15	38.4	0%	$0	$0	$4,192	$0	-9.6
242791125			D	SSTD - Generate Drawings Pressure Vessels & Pre-Assembly Components	10-Aug-15	21-Aug-15	15-Jun-15	38.4	0%	$0	$0	$3,745	$0	-9.6
242791130			D	SSTP - Procure Pressure Vessels	24-Aug-15	16-Nov-15	09-Sep-15	38.4	0%	$0	$0	$38,500	$0	-9.6
242791135			D	SSTP - Procure Pre-Assembly Components	24-Aug-15	02-Oct-15	27-Jul-15	50.2	0%	$0	$0	$10,500	$0	-9.6
242791140			H	SSTP - Procurement Prep and Oversight of Pressure Vessels and Pre-Assemb	24-Aug-15	02-Nov-15	25-Aug-15	40.4	0%	$0	$0	$1,541	$0	-9.6
242791145			H	SSTD - Final Design of Major Components	24-Aug-15	04-Sep-15	29-Jun-15	38.4	0%	$0	$0	$3,782	$0	-9.6
242791150			H	SSTD - Final Design of Piping / Secondary Components	08-Sep-15	21-Sep-15	14-Jul-15	38.4	0%	$0	$0	$3,782	$0	-9.6
242791155			H	SSTD - Final Design Review	22-Sep-15	24-Sep-15	17-Jul-15	38.4	0%	$0	$0	$2,950	$0	-9.6
242791160			H	SSTD - Component Drawings	25-Sep-15	14-Oct-15	06-Aug-15	41.0	0%	$0	$0	$9,241	$0	-9.6
242791165			H	SSTD - Assembly Drawings	25-Sep-15	23-Oct-15	17-Aug-15	39.6	0%	$0	$0	$9,241	$0	-9.6
242791170			Z	Wait (Wait Period from Final Design Review to Start of Drawing Review)	25-Sep-15	08-Oct-15	31-Jul-15	38.4	0%	$0	$0	$0	$0	-9.6
242791175			H	SSTD - Final Drawing Review / Update Cycle	09-Oct-15	02-Nov-15	25-Aug-15	38.4	0%	$0	$0	$7,489	$0	-9.6
242791180			H	SSTP - Procurerement Prep and Oiversight of Stock Components	05-Jan-15	19-Jan-15	13-Feb-15		100%	$3,853	$0	$3,853	$0	0.0
242791185			D	SSTP - Procure Stock Components	05-Jan-15	21-Apr-15	13-Feb-15		100%	$41,400	$16,560	$41,400	$0	0.0
242791190			H	SSTP - Procuremenmt Prep and Oversight of Instrumentation	10-Aug-15	21-Sep-15	14-Jul-15	51.4	0%	$0	$0	$1,233	$0	-9.6
242791195			D	SSTP - Procure Instrumentation	10-Aug-15	21-Sep-15	14-Jul-15	51.4	0%	$0	$0	$26,250	$0	-9.6
242791200			H	SSTP - Procurement Prep and Oversight of Custom Components	03-Nov-15	23-Dec-15	16-Oct-15	38.4	0%	$0	$0	$6,164	$0	-9.2
242791205			D	SSTP - Procure Custom Components	03-Nov-15	23-Dec-15	16-Oct-15	38.4	0%	$0	$0	$35,000	$0	-9.2
242791210			H	SSTP - Procurement Prep and Oversight of Raw Materials	25-Sep-15	02-Nov-15	25-Aug-15	45.4	0%	$0	$0	$2,466	$0	-9.6
242791215			D	SSTP - Procure Raw Materials	25-Sep-15	02-Nov-15	25-Aug-15	45.4	0%	$0	$0	$45,500	$0	-9.6
242791225		ST	S	SSTF - Fabricate Tower Stock Components	20-Mar-15	24-Apr-15	17-Mar-15		100%	$11,860	$11,860	$11,860	$0	3.8
242791230			S	SSTF - Fabricate Tower Head Pre-Assembly	05-Oct-15	18-Nov-15	11-Sep-15	50.2	0%	$0	$0	$15,767	$0	-9.6
242791235			S	SSTF - Fabricate Tower Major Components	17-Nov-15	23-Feb-16	07-Dec-15	38.4	0%	$0	$0	$23,043	$0	-9.6
242791240			S	SSTF - Fabricate Tower Piping Spools	04-Jan-16	23-Feb-16	15-Dec-15	38.4	0%	$0	$0	$13,146	$0	-8.4
242791245			S	SSTF - Final Assembly	24-Feb-16	19-Apr-16	19-Feb-16	38.4	0%	$0	$0	$13,252	$0	-8.4
242791255			D	Hardware Purchase Open Obligation at time of FY15 ETC	05-Jan-15	26-Jan-15	26-Jan-15		100%	$495	$0	$495	$0	0.0
242791260			D	SS Tubing Purchase Open Obligation at time of FY15 ETC	12-Jan-15	19-Jan-15	20-Mar-15		100%	$462	$0	$462	$0	0.0
1.4.2.7.10 SOLENOID INSTRUMENTATION AND CONTROLS					01-May-1	05-Jul-16	06-Jun-16	55.0		$79,552	$79,552	$734,842	$6,818	0.0
1.4.2.7.10.1 SOLENOID INSTRUMENTATION AND CONTROLS					01-May-1	05-Jul-16	06-Jun-16	55.0		$79,552	$79,552	$734,842	$6,818	0.0
242710.1045			D	Solenoid - Vend Fab Power Supply - Peg Point #3 - Factory Test Completed anc	01-May-1	21-Apr-15	31-Mar-15		100%	$59,715	$59,715	$59,715	$0	1.4
242710.1050			D	Solenoid - Vend Fab Power Supply - Peg Point #4 - Acceptance Test at JLab	01-May-1	22-Dec-15	19-Feb-16	80.8	0%	$0	$0	$19,905	$0	1.0
242710.1055			D	Solenoid - Vend Fab Power Supply - Peg Point #5 - Receipt of Spares	01-May-1	21-Apr-15	31-Mar-15		100%	$13,020	$13,020	$13,020	$0	1.4
242710.1060			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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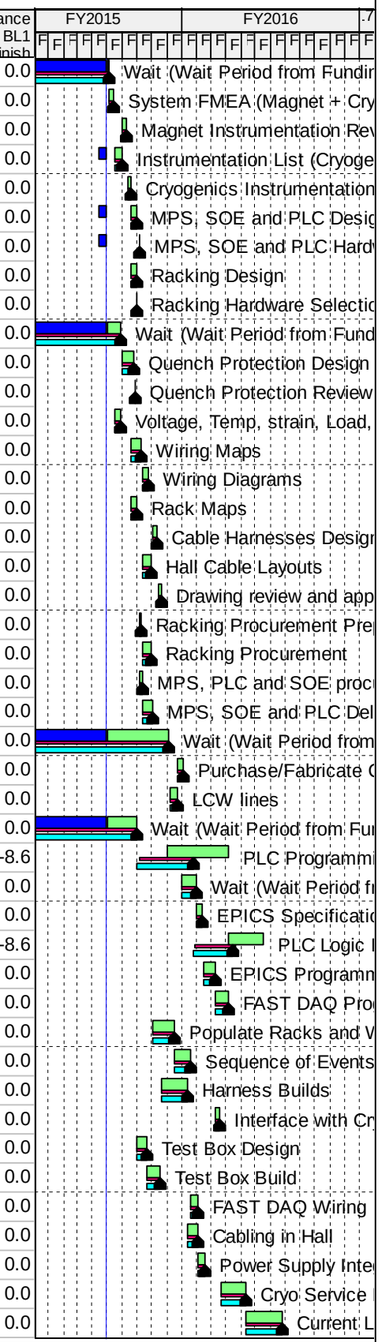
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242710.1070			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	04-May-15	04-May-15	54.2	0%	$0	$0	$0	$0	0.0
242710.1075			H	System FMEA (Magnet + Cryogenics)	05-May-15	15-May-15	15-May-15	54.2	0%	$0	$0	$8,200	$0	0.0
242710.1080			H	Magnet Instrumentation Review	02-Jun-15	11-Jun-15	11-Jun-15	54.2	0%	$0	$0	$6,193	$0	0.0
242710.1085		ST	S	Instrumentation List (Cryogenics)	13-Apr-15	02-Jun-15	02-Jun-15	55.6	17.5%	$2,244	$2,244	$12,823	$2,244	0.0
242710.1090			H	Cryogenics Instrumentation Review	12-Jun-15	18-Jun-15	18-Jun-15	54.2	0%	$0	$0	$6,174	$0	0.0
242710.1095			H	MPS, SOE and PLC Design	13-Apr-15	02-Jul-15	02-Jul-15	74.4	50%	$3,803	$3,803	$7,606	$3,803	0.0
242710.1100			H	MPS, SOE and PLC Hardware Selection	13-Apr-15	06-Jul-15	06-Jul-15	74.4	50%	$771	$771	$1,541	$771	0.0
242710.1105			H	Racking Design	19-Jun-15	01-Jul-15	01-Jul-15	74.6	0%	$0	$0	$2,359	$0	0.0
242710.1110			H	Racking Hardware Selection	02-Jul-15	02-Jul-15	02-Jul-15	74.6	0%	$0	$0	$771	$0	0.0
242710.1115			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	29-May-15	29-May-15	81.6	0%	$0	$0	$0	$0	0.0
242710.1120			D	Quench Protection Design	02-Jun-15	26-Jun-15	26-Jun-15	81.6	0%	$0	$0	$6,669	$0	0.0
242710.1125			H	Quench Protection Review	29-Jun-15	29-Jun-15	29-Jun-15	81.6	0%	$0	$0	$1,240	$0	0.0
242710.1130			D	Voltage, Temp, strain, Load, flow, etc. requirement	18-May-15	29-May-15	29-May-15	54.2	0%	$0	$0	$11,169	$0	0.0
242710.1135		ST	S	Wiring Maps	19-Jun-15	10-Jul-15	10-Jul-15	54.2	0%	$0	$0	$14,464	$0	0.0
242710.1140		ST	S	Wiring Diagrams	13-Jul-15	24-Jul-15	24-Jul-15	75.6	0%	$0	$0	$13,354	$0	0.0
242710.1145			H	Rack Maps	19-Jun-15	02-Jul-15	02-Jul-15	78.6	0%	$0	$0	$7,804	$0	0.0
242710.1150		ST	S	Cable Harnesses Design and Materials	03-Aug-15	13-Aug-15	13-Aug-15	54.2	0%	$0	$0	$23,787	$0	0.0
242710.1155		ST	S	Hall Cable Layouts	13-Jul-15	31-Jul-15	31-Jul-15	54.2	0%	$0	$0	$12,244	$0	0.0
242710.1160			H	Drawing review and approvals	14-Aug-15	20-Aug-15	20-Aug-15	54.2	0%	$0	$0	$1,924	$0	0.0
242710.1165			H	Racking Procurement Preparation	06-Jul-15	10-Jul-15	10-Jul-15	74.6	0%	$0	$0	$771	$0	0.0
242710.1170			H	Racking Procurement	13-Jul-15	31-Jul-15	31-Jul-15	74.6	0%	$0	$0	$7,000	$0	0.0
242710.1175			H	MPS, PLC and SOE procurement preparation	07-Jul-15	13-Jul-15	13-Jul-15	74.4	0%	$0	$0	$771	$0	0.0
242710.1180			D	MPS, SOE and PLC Delivery to Jlab	14-Jul-15	03-Aug-15	03-Aug-15	74.4	0%	$0	$0	$85,000	$0	0.0
242710.1185			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	04-Sep-15	04-Sep-15	78.6	0%	$0	$0	$0	$0	0.0
242710.1190			D	Purchase/Fabricate Copper lugs for connections	22-Sep-15	05-Oct-15	05-Oct-15	78.6	0%	$0	$0	$3,046	$0	0.0
242710.1195			H	LCW lines	08-Sep-15	21-Sep-15	21-Sep-15	78.6	0%	$0	$0	$6,000	$0	0.0
242710.1197			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	30-Jun-15	30-Jun-15	67.8	0%	$0	$0	$0	$0	0.0
242710.1200		ST	S	PLC Programming	01-Sep-15	06-Jan-16	28-Oct-15	59.2	0%	$0	$0	$25,956	$0	-8.6
242710.1205			Z	Wait (Wait Period from Funding Milestone)	01-Oct-15	30-Oct-15	30-Oct-15	48.0	0%	$0	$0	$0	$0	0.0
242710.1210			H	EPICS Specification	02-Nov-15	13-Nov-15	13-Nov-15	48.0	0%	$0	$0	$1,492	$0	0.0
242710.1215		ST	S	PLC Logic Documentation	07-Jan-16	17-Mar-16	20-Jan-16	59.2	0%	$0	$0	$6,183	$0	-8.6
242710.1220		ST	S	EPICS Programming	16-Nov-15	08-Dec-15	08-Dec-15	48.0	0%	$0	$0	$17,304	$0	0.0
242710.1225		ST	S	FAST DAQ Programming	09-Dec-15	05-Jan-16	05-Jan-16	65.4	0%	$0	$0	$10,666	$0	0.0
242710.1230		ST	S	Populate Racks and Wire Back Panels	04-Aug-15	16-Sep-15	16-Sep-15	74.4	0%	$0	$0	$31,295	$0	0.0
242710.1235		ST	S	Sequence of Events Monitor Build	17-Sep-15	20-Oct-15	20-Oct-15	74.4	0%	$0	$0	$11,972	$0	0.0
242710.1240		ST	S	Harness Builds	21-Aug-15	13-Oct-15	13-Oct-15	54.2	0%	$0	$0	$20,582	$0	0.0
242710.1245		ST	S	Interface with Cryo	09-Dec-15	18-Dec-15	18-Dec-15	48.0	0%	$0	$0	$17,533	$0	0.0
242710.1250			H	Test Box Design	30-Jun-15	21-Jul-15	21-Jul-15	81.6	0%	$0	$0	$8,151	$0	0.0
242710.1255		ST	S	Test Box Build	22-Jul-15	18-Aug-15	18-Aug-15	81.6	0%	$0	$0	$11,651	$0	0.0
242710.1260		ST	S	FAST DAQ Wiring	21-Oct-15	03-Nov-15	03-Nov-15	74.4	0%	$0	$0	$12,477	$0	0.0
242710.1265		ST	S	Cabling in Hall	14-Oct-15	03-Nov-15	03-Nov-15	54.2	0%	$0	$0	$14,291	$0	0.0
242710.1270		ST	S	Power Supply Integration/installation	04-Nov-15	18-Nov-15	18-Nov-15	74.4	0%	$0	$0	$15,577	$0	0.0
242710.1275		ST	S	Cryo Service Box Installation (Electrical/controls)	21-Dec-15	09-Feb-16	09-Feb-16	48.0	0%	$0	$0	$56,821	$0	0.0
242710.1280		ST	S	Current Leads Power & voltage tap	10-Feb-16	25-Apr-16	25-Apr-16	48.0	0%	$0	$0	$11,387	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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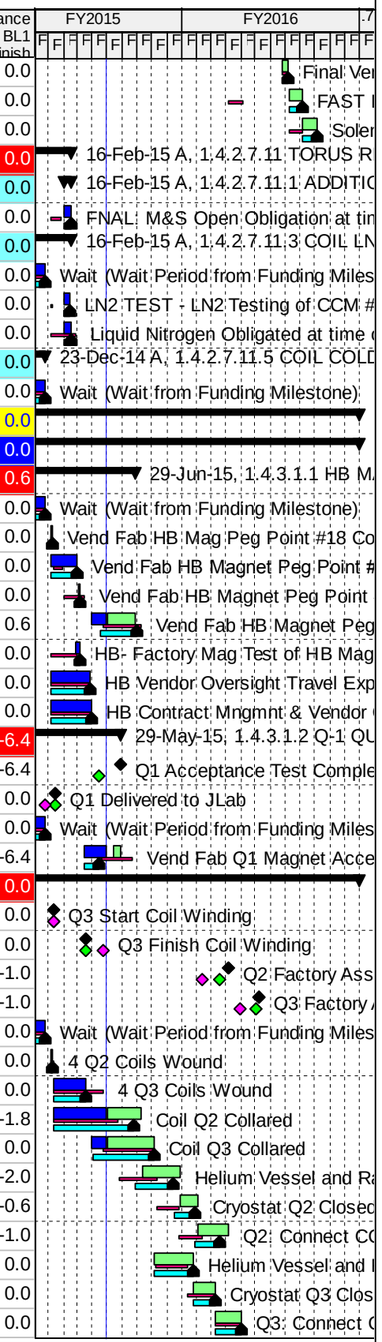
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
242710.1285		ST	S	Final Verification Point-to-Point	26-Apr-16	06-May-16	06-May-16	48.0	0%	$0	$0	$14,577	$0	0.0
242710.1290			H	FAST DAQ Hardware/Software Integration debugging	09-May-16	06-Jun-16	03-Feb-16	48.0	0%	$0	$0	$2,230	$0	0.0
242710.1295		ST	S	Solenoid - I and C Commissioning	07-Jun-16	05-Jul-16	06-Jun-16	48.0	0%	$0	$0	$111,150	$0	0.0
1.4.2.7.11 TORUS RISK MITIGATION					01-Oct-14	16-Feb-15	26-Feb-15			$16,448	$0	$16,448	$0	0.0
1.4.2.7.11.1 ADDITIONAL FNAL COILS FOR TORUS RISK MITIGATION					02-Feb-15	16-Feb-15	26-Jan-15			$393	$0	$393	$0	0.0
242711.1025			D	FNAL: M&S Open Obligation at time of FY15 ETC	02-Feb-15	16-Feb-15	26-Jan-15		100%	$393	$0	$393	$0	0.0
1.4.2.7.11.3 COIL LN2 TESTING FOR TORUS RISK MITIGATION					01-Oct-14	16-Feb-15	26-Feb-15			$16,055	$0	$16,055	$0	0.0
242711.3070		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
242711.3080		ST	S	LN2 TEST - LN2 Testing of CCM #2	02-Feb-15	13-Feb-15	09-Jan-15		100%	$11,942	$0	$11,942	$0	0.0
242711.3110		ST	S	Liquid Nitrogen Obligated at time of FY15 ETC	02-Feb-15	16-Feb-15	26-Feb-15		100%	$4,114	$0	$4,114	$0	0.0
1.4.2.7.11.5 COIL COLD TESTING FOR TORUS RISK MITIGATION					01-Oct-14	23-Dec-14	23-Dec-14			$0	$0	$0	$0	0.0
242711.5012			E	Wait (Wait from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
1.4.3 CONSTRUCTION HALL C					03-Sep-13	30-Sep-16	30-Sep-16	49.6		$1,911,721	$330,646	$6,821,397	($578,240)	0.0
1.4.3.1 MAGNET					03-Sep-13	30-Sep-16	30-Sep-16	49.6		$1,110,947	$73,602	$4,599,631	($423,148)	0.0
1.4.3.1.1 HB MAGNET					01-Oct-14	29-Jun-15	09-Jul-15	107.4		$335,430	$16,250	$384,180	$16,250	0.6
24311172			Z	Wait (Wait from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24311180			D	Vend Fab HB Mag Peg Point #18 Connect Leads, Instr. He Vesl, Leak Check C	05-Jan-15	09-Jan-15	09-Jan-15		100%	$89,500	$0	$89,500	$0	0.0
24311185			D	Vend Fab HB Magnet Peg Point #19 Finish Insul & Vac; Leak Check; Fab shipp	05-Jan-15	27-Feb-15	30-Jan-15		100%	$85,000	$0	$85,000	$0	0.0
24311190			D	Vend Fab HB Magnet Peg Point #20 Crate & Deliver HB Magnet to JLab	02-Mar-15	06-Mar-15	16-Mar-15		100%	$120,000	$0	$120,000	$0	0.0
24311195			D	Vend Fab HB Magnet Peg Point #21 Aceptance, Setup, Testing, and Mapping a	01-Apr-15	29-Jun-15	09-Jul-15	100.2	25%	$16,250	$16,250	$65,000	$16,250	0.6
24311210			H	HB- Factory Mag Test of HB Mag	25-Feb-15	05-Mar-15	27-Feb-15		100%	$3,846	$0	$3,846	$0	0.0
243118P7LOE			E	HB Vendor Oversight Travel Expenses	05-Jan-15	27-Mar-15	27-Mar-15		100%	$4,500	$0	$4,500	$0	0.0
243118P8LOE			E	HB Contract Mngmnt & Vendor Oversight	05-Jan-15	31-Mar-15	31-Mar-15		100%	$16,335	$0	$16,335	$0	0.0
1.4.3.1.2 Q-1 QUADRUPOLE					01-Oct-14	29-May-15	23-Jun-15	111.6		$0	$0	$108,588	$0	-6.4
24312051M			M	Q1 Acceptance Test Complete		29-May-15	29-Aug-14	104.2	0%	$0	$0	$0	$0	-6.4
24312053M			M	Q1 Delivered to JLab		14-Jan-15	23-Dec-14		100%	$0	$0	$0	$0	0.0
24312065			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24312080			P	Vend Fab Q1 Magnet Acceptance	16-Mar-15	29-May-15	23-Jun-15	111.2	0%	$0	$0	$108,588	$0	-6.4
1.4.3.1.3 Q2-3 QUADRUPOLE					01-Oct-14	30-Sep-16	30-Sep-16	49.6		$498,946	$19,570	$2,676,485	$1	0.0
24313004M			P	Q3 Start Coil Winding	13-Jan-15				100%	$0	$0	$0	$0	0.0
24313006M			P	Q3 Finish Coil Winding		19-Mar-15	22-Apr-15		100%	$0	$0	$0	$0	0.0
24313008M			P	Q2 Factory Assembly Complete		05-Jan-16	13-Nov-15	73.2	0%	$0	$0	$0	$0	-1.0
24313010M			P	Q3 Factory Assembly Complete		09-Mar-16	28-Jan-16	73.2	0%	$0	$0	$0	$0	-1.0
24313290			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24313300			P	4 Q2 Coils Wound	05-Jan-15	09-Jan-15	12-Jan-15		100%	$216,125	$0	$216,125	$0	0.0
24313305			P	4 Q3 Coils Wound	12-Jan-15	19-Mar-15	22-Apr-15		100%	$216,125	$0	$216,125	$0	0.0
24313310			P	Coil Q2 Collared	12-Jan-15	10-Jul-15	22-May-15	56.4	0%	$0	$0	$264,200	$0	-1.8
24313315			P	Coil Q3 Collared	01-Apr-15	06-Aug-15	07-Aug-15	54.6	0%	$0	$0	$264,200	$0	0.0
24313320			P	Helium Vessel and Radiation Screen Q2 Welded	13-Jul-15	29-Sep-15	11-Aug-15	56.4	0%	$0	$0	$216,125	$0	-2.0
24313325			P	Cryostat Q2 Closed and Tested	30-Sep-15	03-Nov-15	24-Sep-15	56.4	0%	$0	$0	$264,200	$0	-0.6
24313327			P	Q2: Connect CCR, Final Tests, Measurements, Fiducialize	04-Nov-15	05-Jan-16	13-Nov-15	56.4	0%	$0	$0	$0	$0	-1.0
24313330			P	Helium Vessel and Radiation Screen Q3 Welded	07-Aug-15	26-Oct-15	13-Oct-15	54.6	0%	$0	$0	$216,125	$0	0.0
24313335			P	Cryostat Q3 Closed and Tested	27-Oct-15	10-Dec-15	08-Dec-15	54.6	0%	$0	$0	$264,200	$0	0.0
24313337			P	Q3: Connect CCR, Final Tests, Measurements, Fiducialize	11-Dec-15	01-Feb-16	28-Jan-16	54.6	0%	$0	$0	$0	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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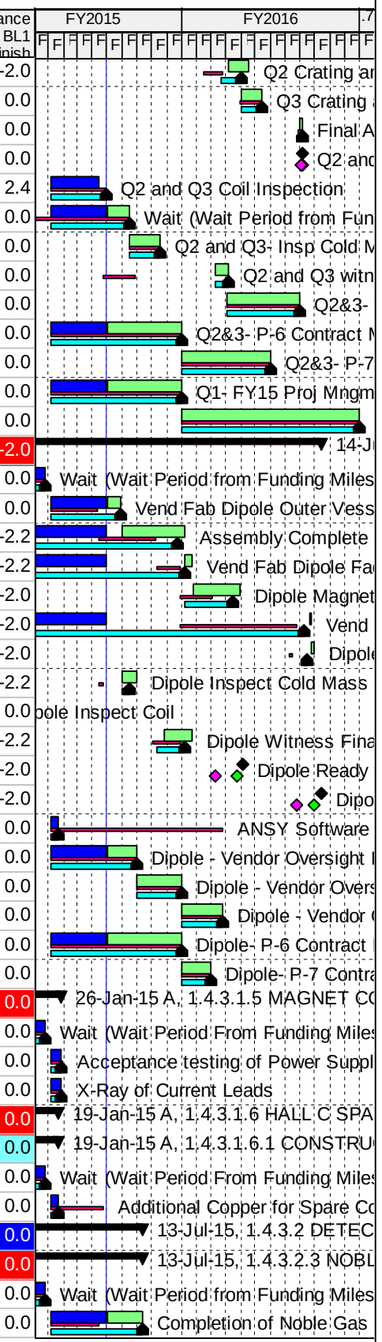
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24313340			P	Q2 Crating and Transportation	06-Jan-16	16-Feb-16	23-Dec-15	56.4	0%	$0	$0	$0	$0	-2.0
24313345			P	Q3 Crating and Transportation	02-Feb-16	14-Mar-16	10-Mar-16	54.6	0%	$0	$0	$0	$0	0.0
24313350			P	Final Acceptance of Q2 and Q3	01-Jun-16	07-Jun-16	03-Jun-16	60.6	0%	$0	$0	$410,300	$0	0.0
24313375M			M	Q2 and Q3 Contract complete		07-Jun-16	03-Jun-16	60.6	0%	$0	$0	$0	$0	0.0
24313380			H	Q2 and Q3 Coil Inspection	05-Jan-15	15-Apr-15	30-Apr-15		100%	$8,065	$4,033	$8,065	$0	2.4
24313385			Z	Wait (Wait Period from Funding Milestone)	05-Jan-15	15-Jun-15	15-Jun-15	100.0	0%	$0	$0	$0	$0	0.0
24313390			H	Q2 and Q3- Insp Cold Mass	16-Jun-15	19-Aug-15	19-Aug-15	100.0	0%	$0	$0	$0	$0	0.0
24313395			H	Q2 and Q3 witness Pressure Tests	11-Dec-15	06-Jan-16	29-Jun-15	82.0	0%	$0	$0	$0	$0	0.0
24313400LOE			E	Q2&3- Vendor Oversight FY16	04-Jan-16	31-May-16	31-May-16	61.6	0%	$0	$0	$67,023	$0	0.0
24313P6LOE5			E	Q2&3- P-6 Contract Mngmnt for Q2-3	05-Jan-15	30-Sep-15	30-Sep-15	75.0	44.15%	$22,452	$5,950	$50,853	$1	0.0
24313P7LOE			E	Q2&3- P-7 Contract Mngmnt for Q2-3	01-Oct-15	31-Mar-16	31-Mar-16	75.0	0%	$0	$0	$27,738	$0	0.0
24313QLOE			E	Q1- FY15 Proj Mngmnt H-C upgrade (Hall C CAM)	05-Jan-15	30-Sep-15	30-Sep-15	49.4	44.15%	$36,179	$9,588	$81,946	$1	0.0
24313QLOE5			E	Q1- FY16 Proj Mngmnt H-C upgrade (Hall C CAM)	01-Oct-15	30-Sep-16	30-Sep-16	49.4	0%	$0	$0	$109,261	$0	0.0
1.4.3.1.4 DIPOLE					03-Sep-1	14-Jul-16	26-May-16	55.8		$155,936	$37,782	$1,309,742	($439,399)	-2.0
24314022			P	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24314025			P	Vend Fab Dipole Outer Vessel Completed Peg Point #5 (F-12)	05-Jan-15	29-May-15	10-Apr-15	48.8	0%	$0	$0	$436,875	($436,875)	0.0
24314029			P	Assembly Complete	03-Sep-1	08-Oct-15	10-Aug-15	48.8	0%	$0	$0	$0	$0	-2.2
24314030			P	Vend Fab Dipole Factory Test Completed Peg Point #6	03-Sep-1	23-Oct-15	28-Sep-15	48.8	0%	$0	$0	$333,300	$0	-2.2
24314030a			Z	Dipole Magnet Shipping	26-Oct-15	28-Jan-16	02-Dec-15	48.8	0%	$0	$0	$0	$0	-2.0
24314035			P	Vend Fab Dipole Magnet Accepted Peg Point #7	03-Sep-1	23-Jun-16	25-May-16	58.2	0%	$0	$0	$159,910	$0	-2.0
24314035a			H	Dipole HC Test	24-Jun-16	30-Jun-16	16-May-16	50.2	0%	$0	$0	$8,117	$0	-2.0
24314045			H	Dipole Inspect Cold Mass	02-Jun-15	30-Jun-15	24-Apr-15	107.0	0%	$0	$0	$8,145	($8,145)	-2.2
24314047			H	Dipole Inspect Coil	22-Sep-14	25-Sep-14	31-Mar-14		100%	$7,816	$0	$7,816	$0	0.0
24314049			H	Dipole Witness Final Factory Tests	28-Aug-15	23-Oct-15	28-Sep-15	90.8	0%	$0	$0	$8,224	$0	-2.2
24314050M			M	Dipole Ready for Installation	05-Feb-16			48.8	0%	$0	$0	$0	$0	-2.0
24314051M			M	Dipole Contract Complete	14-Jul-16			55.6	0%	$0	$0	$0	$0	-2.0
24314115			D	ANSY Software Licence Obligated at time of FY15 ETC	05-Jan-15	19-Jan-15	23-Dec-15		100%	$5,613	$0	$5,613	$5,613	0.0
2431420LOE			E	Dipole - Vendor Oversight FY15	05-Jan-15	30-Jun-15	30-Jun-15	61.6	56.94%	$106,328	$28,194	$158,841	$7	0.0
2431422LOE			E	Dipole - Vendor Oversight FY15	01-Jul-15	30-Sep-15	30-Sep-15	61.6	0%	$0	$0	$42,645	$0	0.0
2431425LOE			E	Dipole - Vendor Oversight FY16	01-Oct-15	23-Dec-15	23-Dec-15	61.6	0%	$0	$0	$40,133	$0	0.0
24314P6LOE5			E	Dipole- P-6 Contract Mngmnt for Dipole	05-Jan-15	30-Sep-15	30-Sep-15	86.0	44.15%	$36,179	$9,588	$81,946	$1	0.0
24314P7LOE			E	Dipole- P-7 Contract Mngmnt for Dipole	01-Oct-15	30-Nov-15	30-Nov-15	86.0	0%	$0	$0	$18,177	$0	0.0
1.4.3.1.5 MAGNET COMPONENTS PROCURED BY JLAB					01-Oct-14	26-Jan-15	30-Jan-15			$10,637	$0	$10,637	$0	0.0
24315012			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24315020			D	Acceptance testing of Power Supplies	05-Jan-15	26-Jan-15	30-Jan-15		100%	$9,597	$0	$9,597	$0	0.0
24315025			D	X-Ray of Current Leads	05-Jan-15	26-Jan-15	30-Jan-15		100%	$1,040	$0	$1,040	$0	0.0
1.4.3.1.6 HALL C SPARE COILS					01-Oct-14	19-Jan-15	24-Apr-15			$109,998	$0	$109,998	$0	0.0
1.4.3.1.6.1 CONSTRUCTION HALL C SPARE COILS					01-Oct-14	19-Jan-15	24-Apr-15			$109,998	$0	$109,998	$0	0.0
243161000			P	Wait (Wait Period From Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
243161005			P	Additional Copper for Spare Coil Effort	05-Jan-15	19-Jan-15	24-Apr-15		100%	$109,998	$0	$109,998	$0	0.0
1.4.3.2 DETECTOR					01-Oct-14	13-Jul-15	13-Jul-15	96.2		$51,832	$33,585	$88,494	($2,133)	0.0
1.4.3.2.3 NOBLE GAS CERENKOV					01-Oct-14	13-Jul-15	15-Apr-15	89.6		$12,221	$2,444	$48,883	($36,662)	0.0
24323030			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24323040			D	Completion of Noble Gas Cerenkov	05-Jan-15	13-Jul-15	15-Apr-15	89.4	25%	$12,221	$2,444	$48,883	($36,662)	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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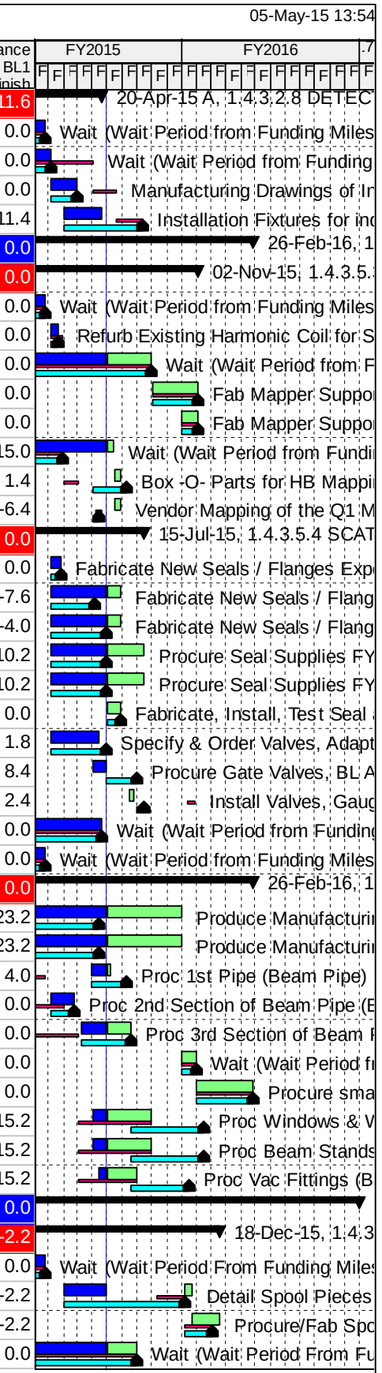
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
1.4.3.2.8 DETECTOR FRAME					01-Oct-14	20-Apr-15	13-Jul-15			$39,611	$31,141	$39,611	$34,529	11.6
24328010			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24328018			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	05-Jan-15	01-Apr-15		100%	$0	$0	$0	$0	0.0
24328020			H	Manufacturing Drawings of Installation Fixtures for individual Detctr's	05-Jan-15	27-Feb-15	20-May-15		100%	$8,470	$0	$8,470	$3,388	0.0
24328025			D	Installation Fixtures for individual Detctr's Procurement	02-Feb-15	20-Apr-15	13-Jul-15		100%	$31,141	$31,141	$31,141	$31,141	11.4
1.4.3.5 BEAMLINE					02-Jun-14	26-Feb-16	26-Feb-16	77.4		$209,328	$81,652	$519,673	($164,669)	0.0
1.4.3.5.3 MAPPING					01-Oct-14	02-Nov-15	02-Nov-15	89.8		$17,528	$0	$33,263	($6,000)	0.0
24353020			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24353030			U	Refurb Existing Harmonic Coil for SHMS Mags	05-Jan-15	19-Jan-15	30-Jan-15		100%	$17,528	$0	$17,528	$0	0.0
24353035			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Jul-15	31-Jul-15	78.2	100%	$0	$0	$0	$0	0.0
24353040			H	Fab Mapper Support for Dipole Magnet	03-Aug-15	02-Nov-15	02-Nov-15	78.2	0%	$0	$0	$5,118	$0	0.0
24353045			H	Fab Mapper Support for Q2/Q3 Magnets	01-Oct-15	02-Nov-15	02-Nov-15	80.6	0%	$0	$0	$4,618	$0	0.0
24353050			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	15-May-15	30-Jan-15	82.0	100%	$0	$0	$0	$0	-15.0
24353055			H	Box -O- Parts for HB Mapping	18-May-15	29-May-15	04-Mar-15	82.0	0%	$0	$0	$2,000	($2,000)	1.4
24353060			D	Vendor Mapping of the Q1 Magnet	18-May-15	29-May-15	20-Apr-15	111.2	0%	$0	$0	$4,000	($4,000)	-6.4
1.4.3.5.4 SCATTERING CHAMBER					01-Oct-14	15-Jul-15	27-Oct-15	107.6		$66,950	$39,052	$153,246	($78,483)	0.0
24354015a			U	Fabricate New Seals / Flanges Expenses FY14	05-Jan-15	26-Jan-15	30-Sep-14		100%	$25,846	$0	$25,846	$0	0.0
24354015B			U	Fabricate New Seals / Flanges Expenses FY15	05-Jan-15	29-May-15	31-Oct-14	107.4	0%	$0	$0	$14,605	($14,605)	-7.6
24354015C			U	Fabricate New Seals / Flanges Procurement	05-Jan-15	29-May-15	31-Oct-14	107.4	0%	$0	$0	$40,000	($40,000)	-4.0
24354020			U	Procure Seal Supplies FY14	05-Jan-15	15-Jul-15	30-Sep-14	107.4	0%	$0	$0	$7,542	($7,542)	-10.2
24354020A			U	Procure Seal Supplies FY15	05-Jan-15	15-Jul-15	31-Oct-14	107.4	0%	$0	$0	$8,523	($8,523)	-10.2
24354022			H	Fabricate, Install, Test Seal and Windows	01-May-15	29-May-15	26-Nov-14	107.4	0%	$0	$0	$7,813	($7,813)	0.0
24354030			H	Specify & Order Valves, Adapters, Flanges, Gauges	05-Jan-15	15-Apr-15	29-Aug-14		100%	$4,104	$2,052	$4,104	$0	1.8
24354030b			D	Procure Gate Valves, BL Adapters, Gauges, Fittings	01-Apr-15	30-Apr-15	31-Oct-14		100%	$37,000	$37,000	$37,000	$0	8.4
24354030b5			H	Install Valves, Gauges, Fittings on SC	16-Jun-15	26-Jun-15	27-Oct-15	107.4	0%	$0	$0	$7,813	$0	2.4
24354040			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	21-Apr-15	21-Apr-15		100%	$0	$0	$0	$0	0.0
24354045			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
1.4.3.5.5 BEAM PIPE & STANDS					02-Jun-14	26-Feb-16	26-Feb-16	75.0		$124,850	$42,600	$333,163	($80,185)	0.0
24355000		ST	S	Produce Manufacturing Drawings for Beam Pipe, Stands, Fittings FY14	02-Jun-14	30-Sep-15	30-Sep-14	92.8	60%	$33,068	$0	$55,113	($22,045)	-23.2
24355000A		ST	S	Produce Manufacturing Drawings for Beam Pipe, Stands, Fittings FY15	02-Jun-14	30-Sep-15	01-Oct-14	92.8	60%	$533	$0	$888	($355)	-23.2
24355005		ST	S	Proc 1st Pipe (Beam Pipe)	30-Mar-15	08-May-15	23-Dec-14	92.8	55%	$18,230	$18,230	$33,145	($14,915)	4.0
24355010		ST	S	Proc 2nd Section of Beam Pipe (Beam Pipe)	05-Jan-15	23-Feb-15	02-Feb-15		100%	$45,325	$0	$45,325	$0	0.0
24355015		ST	S	Proc 3rd Section of Beam Pipe (Beam Pipe)	09-Mar-15	18-Jun-15	02-Mar-15	92.8	50%	$27,694	$24,371	$55,388	($27,694)	0.0
24355020			Z	Wait (Wait Period from Funding Milestone)	01-Oct-15	30-Oct-15	30-Oct-15	74.8	0%	$0	$0	$0	$0	0.0
24355025			D	Procure small-angle DS beampipe system	02-Nov-15	26-Feb-16	26-Feb-16	74.8	0%	$0	$0	$35,000	$0	0.0
24355030			D	Proc Windows & Window Spool (Beam Pipe)	01-Apr-15	30-Jul-15	30-Jul-15	93.8	0%	$0	$0	$74,211	($15,176)	15.2
24355035			D	Proc Beam Stands (Beam Pipe)	01-Apr-15	30-Jul-15	30-Jul-15	92.8	0%	$0	$0	$18,577	$0	15.2
24355040			D	Proc Vac Fittings (Beam Pipe)	13-Apr-15	30-Jun-15	30-Jun-15	98.0	0%	$0	$0	$15,517	$0	15.2
1.4.3.6 INFRASTUCTURE					03-Feb-14	30-Sep-16	30-Sep-16	49.6		$539,614	$141,807	$1,613,599	$11,709	0.0
1.4.3.6.5 VACUUM SYSTEM					01-Oct-14	18-Dec-15	03-Dec-15	76.4		$5,590	$0	$80,918	$5,590	-2.2
24365055			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24365065		ST	S	Detail Spool Pieces Q1Q2 Q2Q3 Q3D	02-Feb-15	21-Oct-15	06-Oct-15	76.2	33%	$5,590	$0	$16,941	$5,590	-2.2
24365070			D	Procure/Fab Spool Pieces	22-Oct-15	18-Dec-15	03-Dec-15	76.2	0%	$0	$0	$36,000	$0	-2.2
24365075			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	30-Jun-15	30-Jun-15	99.0	0%	$0	$0	$0	$0	0.0



◆ Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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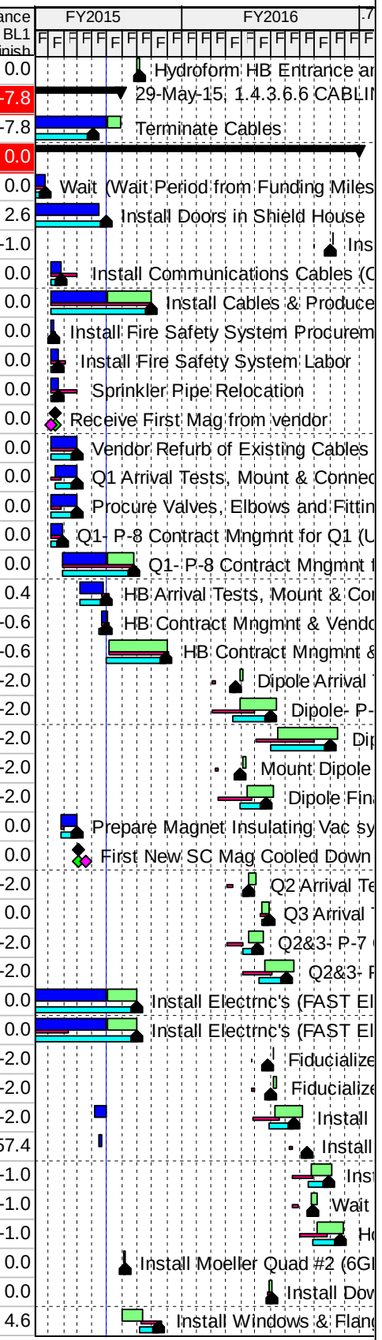
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24365080			D	Hydroform HB Entrance and Dipole Exit Windows & Test One	01-Jul-15	08-Jul-15	08-Jul-15	99.0	0%	$0	$0	$27,977	$0	0.0
1.4.3.6.6 CABLING					03-Sep-14	29-May-15	28-Jul-14	111.4		$10,075	$0	$15,037	($4,962)	-7.8
24366025			U	Terminate Cables	03-Sep-14	29-May-15	28-Jul-14	111.0	67%	$10,075	$0	$15,037	($4,962)	-7.8
1.4.3.6.8 INSTALLATION					03-Feb-14	30-Sep-16	30-Sep-16	49.6		$523,949	$141,807	$1,517,644	$11,081	0.0
24368000			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
24368095		ST	S	Install Doors in Shield House	03-Feb-14	13-Apr-15	11-Feb-14		100%	$11,675	$9,340	$11,675	$0	2.6
24368110			H	Install Roof Beams and Wall Blocks in Shield House	08-Aug-16	08-Aug-16	29-Jun-16	52.0	0%	$0	$0	$781	$0	-1.0
24368156			D	Install Communications Cables (CABLING) Procurement	05-Jan-15	26-Jan-15	27-Feb-15		100%	$5,000	$0	$5,000	$0	0.0
24368157		ST	S	Install Cables & Produce Final Drawings (CABLING)	05-Jan-15	31-Jul-15	31-Jul-15	93.2	40%	$27,169	$6,792	$67,922	($11,444)	0.0
24368275			D	Install Fire Safety System Procurement	05-Jan-15	11-Jan-15	14-Jan-15		100%	$15,000	$0	$15,000	$0	0.0
24368275A			H	Install Fire Safety System Labor	05-Jan-15	19-Jan-15	03-Feb-15		100%	$2,393	$0	$2,393	$0	0.0
24368285			D	Sprinkler Pipe Relocation	05-Jan-15	19-Jan-15	27-Feb-15		100%	$3,591	$0	$3,591	$0	0.0
24368285M			M	Receive First Mag from vendor	14-Jan-15				100%	$0	$0	$0	$0	0.0
24368287			D	Vendor Refurb of Existing Cables	05-Jan-15	27-Feb-15	27-Feb-15		100%	$5,000	$0	$5,000	$0	0.0
24368292		ST	S	Q1 Arrival Tests, Mount & Connect	14-Jan-15	27-Feb-15	26-Jan-15		100%	$32,118	$0	$32,118	$0	0.0
24368292A			D	Procure Valves, Elbows and Fittings for Q1 Installation	05-Jan-15	27-Feb-15	26-Jan-15		100%	$2,675	$0	$2,675	$0	0.0
24368293LOE			E	Q1- P-8 Contract Mngmnt for Q1 (Upon Arrival)	05-Jan-15	28-Jan-15	28-Jan-15		100%	$3,082	$0	$3,082	$0	0.0
24368293LOE5			E	Q1- P-8 Contract Mngmnt for Q1 (During Cooldown and Acceptance)	29-Jan-15	26-Jun-15	26-Jun-15	107.4	52.86%	$9,687	$3,230	$15,410	$0	0.0
24368297		ST	S	HB Arrival Tests, Mount & Connect	07-Mar-15	24-Apr-15	04-May-15		100%	$23,012	$17,259	$23,012	$12,602	0.4
24368298LOE			E	HB Contract Mngmnt & Vendor Oversight (Upon Arrival)	21-Apr-15	01-May-15	04-May-15	97.8	90%	$2,774	$2,774	$3,082	$308	-0.6
24368298LOE5			E	HB Contract Mngmnt & Vendor Oversight (During Cooldown and Acceptance)	04-May-15	03-Sep-15	04-Sep-15	97.8	0%	$0	$0	$25,735	$0	-0.6
24368302		ST	S	Dipole Arrival Tests and Fiducialize Centerline	29-Jan-16	04-Feb-16	09-Dec-15	48.8	0%	$0	$0	$10,895	$0	-2.0
24368303LOE			E	Dipole- P-7 Contract Mngmnt for Dipole (Upon Arrival)	29-Jan-16	14-Apr-16	29-Feb-16	50.6	0%	$0	$0	$24,832	$0	-2.0
24368303LOE5			E	Dipole- P-7 Contract Mngmnt for Dipole (During Cooldown and Acceptance)	15-Apr-16	17-Aug-16	30-Jun-16	50.6	0%	$0	$0	$38,490	$0	-2.0
24368305		ST	S	Mount Dipole on Support Carriage w/Yoke	05-Feb-16	11-Feb-16	16-Dec-15	48.8	0%	$0	$0	$21,471	$0	-2.0
24368307		ST	S	Dipole Final Assembly: Cryo Stalk & CCR	12-Feb-16	07-Apr-16	22-Feb-16	48.8	0%	$0	$0	$85,418	$0	-2.0
24368310		ST	S	Prepare Magnet Insulating Vac system	27-Jan-15	27-Feb-15	02-Feb-15		100%	$5,906	$0	$5,906	$0	0.0
24368335M			M	First New SC Mag Cooled Down in place	04-Mar-15				100%	$0	$0	$0	$0	0.0
24368340		ST	S	Q2 Arrival Tests, Mount w/ Yoke, Connect and Fiducialize Centerline	17-Feb-16	01-Mar-16	15-Jan-16	56.4	0%	$0	$0	$35,001	$0	-2.0
24368370		ST	S	Q3 Arrival Tests, Mount w/ Yoke, Connect and Fiducialize Centerline	15-Mar-16	28-Mar-16	24-Mar-16	54.6	0%	$0	$0	$35,001	$0	0.0
24368371LOE			E	Q2&3- P-7 Contract Mngmnt for Q2-3 (Upon Arrival)	17-Feb-16	18-Mar-16	04-Feb-16	63.2	0%	$0	$0	$12,328	$0	-2.0
24368371LOE5			E	Q2&3- P-7 Contract Mngmnt for Q2-3 (During Cooldown and Acceptance)	21-Mar-16	18-May-16	05-Apr-16	63.2	0%	$0	$0	$23,423	$0	-2.0
24368420		ST	S	Install Electrnc's (FAST Electrnc's) FY14	06-Oct-14	30-Jun-15	30-Sep-14	99.0	76%	$14,309	$12,050	$18,828	($4,519)	0.0
24368420A		ST	S	Install Electrnc's (FAST Electrnc's) FY15	06-Oct-14	30-Jun-15	09-Feb-15	99.0	76%	$38,300	$32,253	$50,395	($12,095)	0.0
24368425			Z	Fiducialize SHMS Aerogel Cerenkov Counter (6GEV)	08-Apr-16	08-Apr-16	23-Feb-16	52.8	0%	$0	$0	$0	$0	-2.0
24368430			H	Fiducialize SHMS Drift Ch's, Hodoscopes, Cerenkovs, Preshower (front Dets)	08-Apr-16	14-Apr-16	29-Feb-16	58.6	0%	$0	$0	$9,930	$0	-2.0
24368435A		ST	S	Install Detctr's in Shield House REAR	06-Apr-15	06-Jun-16	19-Apr-16	52.8	30%	$22,388	$22,388	$74,627	$22,388	-2.0
24368440		ST	S	Install Shutter over Exit Vacuum Window	13-Apr-15	21-Apr-15	16-May-16		100%	$16,067	$16,067	$16,067	$16,067	57.4
24368445A		ST	S	Install Detctr's in Shield House FWD	24-Jun-16	05-Aug-16	28-Jun-16	48.8	0%	$0	$0	$51,306	$0	-1.0
24368448			Z	Wait (Wait Period from Start of (Install Detctr's in Shield House FWD) first dete	24-Jun-16	05-Jul-16	27-May-16	48.8	0%	$0	$0	$0	$0	-1.0
24368450		ST	S	Hot Check-out of Detctr's in Shield House	06-Jul-16	30-Aug-16	26-Jul-16	48.8	0%	$0	$0	$11,638	$0	-1.0
24368460			Z	Install Moeller Quad #2 (6GEV)	03-Jun-15	08-Jun-15	14-May-14	70.0	0%	$0	$0	$0	$0	0.0
24368465		ST	S	Install Downstream Beam Stands (Beam Pipe)	29-Mar-16	04-Apr-16	31-Mar-16	60.6	0%	$0	$0	$10,259	$0	0.0
24368472		ST	S	Install Windows & Flanges on Spectrometer Vacuum System for HB and Q1	02-Jun-15	14-Jul-15	20-Aug-15	103.2	0%	$0	$0	$18,376	$0	4.6



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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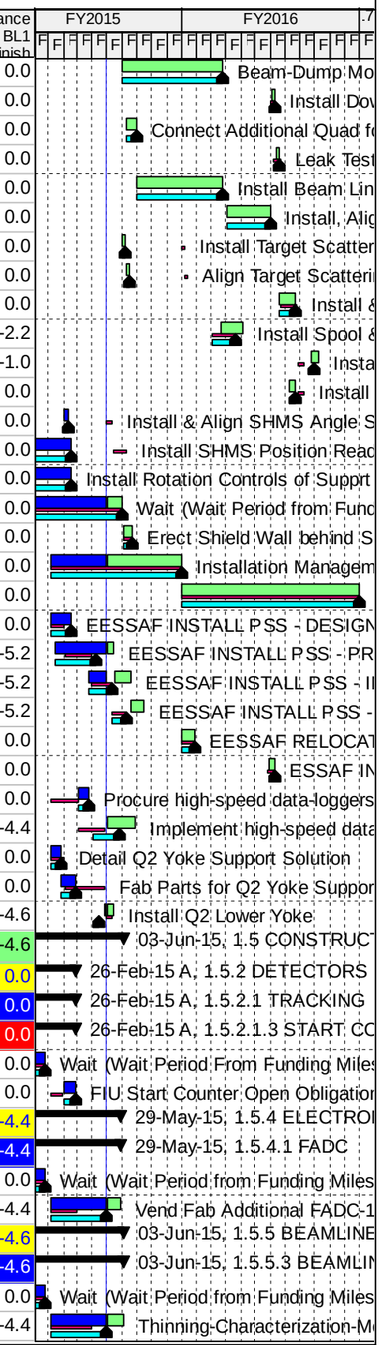
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
24368475			Z	Beam-Dump Modifications & Upgrades (6GEV)	02-Jun-15	23-Dec-15	11-Apr-14	82.6	0%	$0	$0	$0	$0	0.0
24368480		ST	S	Install Downstream Beam Pipe and Vac Fittings	05-Apr-16	11-Apr-16	07-Apr-16	60.6	0%	$0	$0	$13,719	$0	0.0
24368485		ST	S	Connect Additional Quad for Moeller polarimeter	09-Jun-15	30-Jun-15	14-Aug-14	70.0	0%	$0	$0	$17,776	($17,776)	0.0
24368490		ST	S	Leak Test Downstream Beam Pipe Vac Sys	12-Apr-16	18-Apr-16	21-Apr-16	60.6	0%	$0	$0	$9,813	$0	0.0
24368500			Z	Install Beam Line upstream of Target (6GeV)	01-Jul-15	23-Dec-15	24-Jan-14	70.0	0%	$0	$0	$0	$0	0.0
24368505			Z	Install, Align, Leak-check Upstream Beam-Pipes & Girders (6GEV)	04-Jan-16	31-Mar-16	07-Feb-14	70.0	0%	$0	$0	$0	$0	0.0
24368510			Z	Install Target Scattering Chamber (6GEV)	02-Jun-15	08-Jun-15	07-Oct-15	107.4	0%	$0	$0	$0	$0	0.0
24368515			Z	Align Target Scattering Chamber (6GEV)	09-Jun-15	15-Jun-15	14-Oct-15	107.4	0%	$0	$0	$0	$0	0.0
24368530		ST	S	Install & Connect Spectrometer Vac system	19-Apr-16	23-May-16	26-May-16	60.6	0%	$0	$0	$55,918	$0	0.0
24368535		ST	S	Install Spool & Bellows for All Magnets	21-Dec-15	03-Feb-16	19-Jan-16	76.2	0%	$0	$0	$33,440	$0	-2.2
24368540A		ST	S	Install Slit Controls	24-Jun-16	08-Jul-16	10-Jun-16	56.2	0%	$0	$0	$7,006	$0	-1.0
24368545		ST	S	Install Sieve Slit Sys	10-May-16	23-May-16	10-Jun-16	62.6	0%	$0	$0	$56,878	$0	0.0
24368560		ST	S	Install & Align SHMS Angle Scribe Plates	02-Feb-15	09-Feb-15	12-May-15		100%	$11,719	$0	$11,719	$9,375	0.0
24368565		ST	S	Install SHMS Position Readback System	01-Oct-14	16-Feb-15	11-Jun-15		100%	$21,557	$0	$21,557	$21,557	0.0
24368570		ST	S	Install Rotation Controls of Supprt Struct	03-Feb-14	16-Feb-15	12-Sep-14		100%	$129,851	$0	$129,851	$0	0.0
24368572			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	02-Jun-15	02-Jun-15	70.0	0%	$0	$0	$0	$0	0.0
24368575			U	Erect Shield Wall behind SHMS	03-Jun-15	23-Jun-15	23-Jun-15	108.0	0%	$0	$0	$14,801	$0	0.0
24368590LOE			E	Installation Management FY15	05-Jan-15	30-Sep-15	30-Sep-15	49.4	44.15%	$45,315	$12,009	$102,639	$1	0.0
24368595LOE			E	Installation Management FY16	01-Oct-15	30-Sep-16	30-Sep-16	49.4	0%	$0	$0	$143,163	$0	0.0
24368600			H	EESSAF INSTALL PSS - DESIGN, ORDER, ADMIN	05-Jan-15	16-Feb-15	02-Feb-15		100%	$9,030	$0	$9,030	$0	0.0
24368605			D	EESSAF INSTALL PSS - PROCUREMENT	16-Jan-15	15-May-15	30-Mar-15	108.6	85%	$18,700	$2,200	$22,000	($3,300)	-5.2
24368610		ST	S	EESSAF INSTALL PSS - INSTALL CABLES, CONDUIT, BOXES	23-Mar-15	18-Jun-15	11-May-15	108.6	20%	$6,983	$3,491	$34,913	($19,784)	-5.2
24368615		ST	S	EESSAF INSTALL PSS - TERMINATE, DOCUMENT, PROGRAM, TEST	19-Jun-15	17-Jul-15	10-Jun-15	108.6	0%	$0	$0	$12,302	$0	-5.2
24368620			H	EESSAF RELOCATE PSS EQPT ON SOUTH WALL	01-Oct-15	28-Oct-15	28-Oct-15	90.2	0%	$0	$0	$2,384	$0	0.0
24368630			H	ESSAF INSTALL PSS - FINAL DETAILING AFTER MAGNETS INSTALLED	29-Mar-16	11-Apr-16	07-Apr-16	72.6	0%	$0	$0	$2,384	$0	0.0
24368635			D	Procure high-speed data-loggers for all SHMS magnets	02-Mar-15	23-Mar-15	02-Mar-15		100%	$9,657	$0	$9,657	$0	0.0
24368640			H	Implement high-speed data-loggers for all SHMS magnets	01-May-15	29-Jun-15	27-Apr-15	100.2	0%	$0	$0	$3,082	($3,082)	-4.4
24368645			H	Detail Q2 Yoke Support Solution	05-Jan-15	26-Jan-15	02-Feb-15		100%	$7,317	$0	$7,317	$0	0.0
24368650		ST	S	Fab Parts for Q2 Yoke Support	27-Jan-15	26-Feb-15	27-Apr-15		100%	$21,719	$0	$21,719	$0	0.0
24368655			H	Install Q2 Lower Yoke	27-Apr-15	15-May-15	11-May-15	93.0	50%	$1,953	$1,953	$3,906	$781	-4.6
1.5 CONSTRUCTION HALL D					01-Oct-14	03-Jun-15	31-Mar-15	116.0		$35,863	$0	$79,605	($43,742)	-4.6
1.5.2 DETECTORS					01-Oct-14	26-Feb-15	30-Jan-15			$9,195	$0	$9,195	$0	0.0
1.5.2.1 TRACKING					01-Oct-14	26-Feb-15	30-Jan-15			$9,195	$0	$9,195	$0	0.0
1.5.2.1.3 START COUNTERS					01-Oct-14	26-Feb-15	30-Jan-15			$9,195	$0	$9,195	$0	0.0
25213040			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
25213045			D	FIU Start Counter Open Obligation at time of FY15 ETC	02-Feb-15	26-Feb-15	30-Jan-15		100%	$9,195	$0	$9,195	$0	0.0
1.5.4 ELECTRONICS					01-Oct-14	29-May-15	27-Feb-15	116.6		$11,671	$0	$20,916	($9,245)	-4.4
1.5.4.1 FADC					01-Oct-14	29-May-15	27-Feb-15	116.6		$11,671	$0	$20,916	($9,245)	-4.4
2541165			U	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
2541170			D	Vend Fab Additional FADC-125	05-Jan-15	29-May-15	27-Feb-15	116.2	55.8%	$11,671	$0	$20,916	($9,245)	-4.4
1.5.5 BEAMLINE					01-Oct-14	03-Jun-15	31-Mar-15	116.0		$14,997	$0	$49,494	($34,497)	-4.6
1.5.5.3 BEAMLINE COMPONENTS					01-Oct-14	03-Jun-15	31-Mar-15	116.0		$14,997	$0	$49,494	($34,497)	-4.6
2553007			D	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
2553010b			D	Thinning-Characterization-Mounting of Radiator Diamond Crystals (BL Compnts)	05-Jan-15	03-Jun-15	31-Mar-15	115.8	30.3%	$14,997	$0	$49,494	($34,497)	-4.4



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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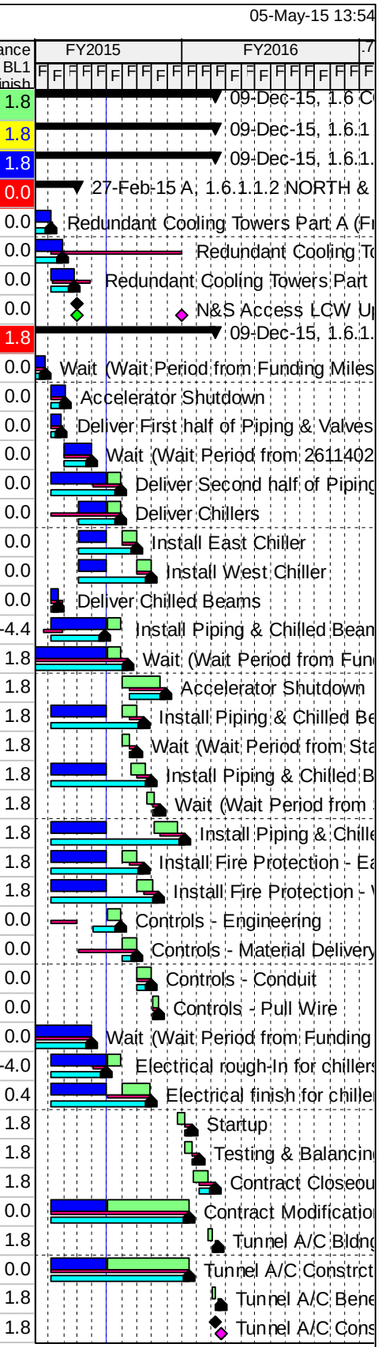
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
1.6 CONVENTIONAL FACILITIES					14-Jul-14	09-Dec-15	22-Dec-15	89.8		$1,028,692	$16,544	$1,695,040	$268,128	1.8
1.6.1 ACCELERATOR					14-Jul-14	09-Dec-15	22-Dec-15	89.8		$1,028,692	$16,544	$1,695,040	$268,128	1.8
1.6.1.1 BUILDINGS					14-Jul-14	09-Dec-15	22-Dec-15	89.8		$1,028,692	$16,544	$1,695,040	$268,128	1.8
1.6.1.1.2 NORTH & SOUTH ACCESS BUILDING UTILITIES					14-Jul-14	27-Feb-15	01-Oct-15			$363,698	$0	$363,698	$26,470	0.0
26112012			C	Redundant Cooling Towers Part A (Frozen Per CR15-004 FY15 ETC)	14-Jul-14	05-Jan-15	07-Jan-15		100%	$292,972	$0	$292,972	$0	0.0
26112013			E	Redundant Cooling Towers Construction Management	01-Aug-14	30-Jan-15	01-Oct-15		100%	$46,698	$0	$46,698	$26,470	0.0
26112017			C	Redundant Cooling Towers Part B	05-Jan-15	23-Feb-15	27-Mar-15		100%	$24,028	$0	$24,028	$0	0.0
26112030M			M	N&S Access LCW Upgrades Constr Comp		27-Feb-15	01-Oct-15		100%	$0	$0	$0	$0	0.0
1.6.1.1.4 TUNNEL AIR CONDITIONING					01-Oct-14	09-Dec-15	22-Dec-15	89.8		$664,994	$16,544	$1,331,342	$241,658	1.8
26114012			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
26114015			Z	Accelerator Shutdown	05-Jan-15	05-Feb-15	28-Jan-15		100%	$0	$0	$0	$0	0.0
26114020			C	Deliver First half of Piping & Valves	05-Jan-15	26-Jan-15	30-Jan-15		100%	$132,500	$0	$132,500	$0	0.0
26114025			Z	Wait (Wait Period from 26114020)	02-Feb-15	31-Mar-15	31-Mar-15		100%	$0	$0	$0	$0	0.0
26114030			C	Deliver Second half of Piping & Valves	05-Jan-15	29-May-15	29-May-15	92.0	66%	$87,450	$0	$132,500	$87,450	0.0
26114035			C	Deliver Chillers	02-Mar-15	29-May-15	29-May-15	97.2	0%	$0	$0	$117,600	$0	0.0
26114040			C	Install East Chiller	02-Mar-15	30-Jun-15	30-Jun-15	97.2	37.7%	$14,515	$3,003	$38,500	$14,515	0.0
26114045			C	Install West Chiller	02-Mar-15	30-Jul-15	30-Jul-15	97.2	38.7%	$14,513	$3,000	$37,500	$14,513	0.0
26114050			C	Deliver Chilled Beams	05-Jan-15	19-Jan-15	30-Jan-15		100%	$158,400	$0	$158,400	$0	0.0
26114055			C	Install Piping & Chilled Beams - NE Quadrant	05-Jan-15	28-May-15	28-Jan-15	105.8	67%	$25,795	$0	$38,500	($12,705)	-4.4
26114060			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	29-May-15	12-Jun-15	89.6	0%	$0	$0	$0	$0	1.8
26114065			Z	Accelerator Shutdown	02-Jun-15	18-Aug-15	31-Aug-15	89.6	0%	$0	$0	$0	$0	1.8
26114070			C	Install Piping & Chilled Beams - NW Quadrant	05-Jan-15	01-Jul-15	15-Jul-15	89.6	70.1%	$29,092	$0	$41,500	$29,092	1.8
26114072			C	Wait (Wait Period from Start of 26114072)	02-Jun-15	17-Jun-15	30-Jun-15	89.6	0%	$0	$0	$0	$0	1.8
26114075			C	Install Piping & Chilled Beams - SE Quadrant	05-Jan-15	20-Jul-15	31-Jul-15	89.6	69.4%	$28,801	$0	$41,500	$28,801	1.8
26114077			Z	Wait (Wait Period from Start of 26114075)	21-Jul-15	05-Aug-15	18-Aug-15	89.6	0%	$0	$0	$0	$0	1.8
26114080			C	Install Piping & Chilled Beams - SW Quadrant	05-Jan-15	23-Sep-15	06-Oct-15	89.6	86%	$28,810	$0	$33,500	$28,810	1.8
26114085			C	Install Fire Protection - East Arc	05-Jan-15	01-Jul-15	15-Jul-15	96.8	46.6%	$23,766	$0	$51,000	$23,766	1.8
26114090			C	Install Fire Protection - West Arc	05-Jan-15	03-Aug-15	14-Aug-15	96.8	47.5%	$23,750	$0	$50,000	$23,750	1.8
26114095			C	Controls - Engineering	01-May-15	29-May-15	27-Feb-15	95.0	0%	$0	$0	$14,700	($14,700)	0.0
26114100			C	Controls - Material Delivery	02-Jun-15	30-Jun-15	30-Jun-15	95.0	0%	$0	$0	$66,448	$0	0.0
26114105			C	Controls - Conduit	01-Jul-15	31-Jul-15	31-Jul-15	95.0	0%	$0	$0	$72,000	$0	0.0
26114110			C	Controls - Pull Wire	03-Aug-15	14-Aug-15	14-Aug-15	95.0	0%	$0	$0	$40,000	$0	0.0
26114115			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Mar-15	31-Mar-15		100%	$0	$0	$0	$0	0.0
26114120			C	Electrical rough-In for chillers	05-Jan-15	29-May-15	30-Apr-15	97.4	99.4%	$44,066	$1,286	$44,332	($266)	-4.0
26114125			C	Electrical finish for chillers	05-Jan-15	29-Jul-15	31-Jul-15	97.4	92.6%	$18,632	$0	$20,121	$18,632	0.4
26114130			C	Startup	24-Sep-15	08-Oct-15	21-Oct-15	89.6	0%	$0	$0	$22,000	$0	1.8
26114135			C	Testing & Balancing	09-Oct-15	23-Oct-15	05-Nov-15	89.6	0%	$0	$0	$9,000	$0	1.8
26114140			C	Contract Closeout	26-Oct-15	23-Nov-15	08-Dec-15	89.6	0%	$0	$0	$4,000	$0	1.8
26114145			C	Contract Modifications	05-Jan-15	15-Oct-15	15-Oct-15	95.0	0%	$0	$0	$59,975	$0	0.0
26114150			D	Tunnel A/C Bldng Cmmssng	24-Nov-15	02-Dec-15	15-Dec-15	89.6	0%	$0	$0	$15,916	$0	1.8
26114155			E	Tunnel A/C Constrctn Mngmnt	05-Jan-15	15-Oct-15	15-Oct-15	97.0	41.71%	$34,906	$9,256	$83,687	$1	0.0
26114160			H	Tunnel A/C Beneficial Occupancy	03-Dec-15	09-Dec-15	22-Dec-15	89.6	0%	$0	$0	$6,164	$0	1.8
26114200M			M	Tunnel A/C Constr Comp		09-Dec-15	22-Dec-15	89.6	0%	$0	$0	$0	$0	1.8



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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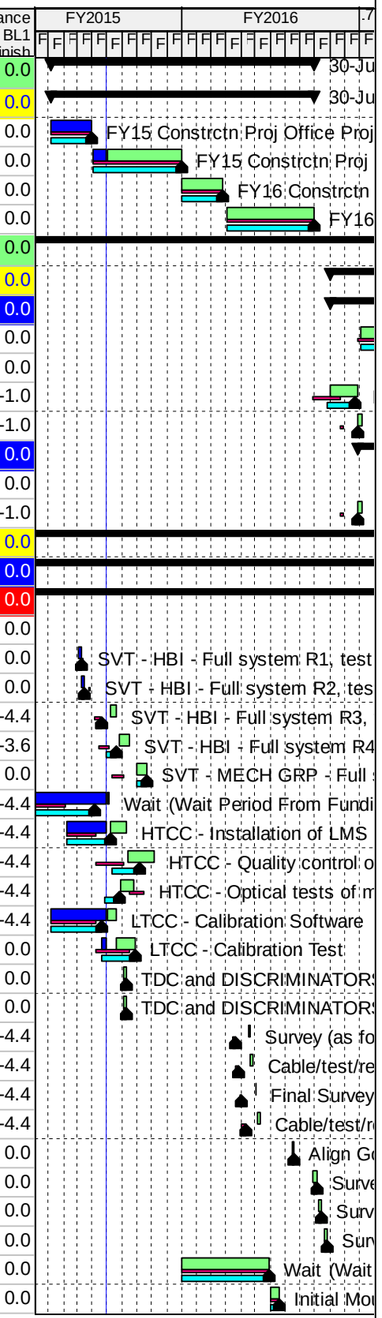
Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
1.7 PROJECT MANAGEMENT					05-Jan-15	30-Jun-16	30-Jun-16	62.4		$136,767	$30,950	$424,287	($5)	0.0
1.7.1 PROJECT OFFICE					05-Jan-15	30-Jun-16	30-Jun-16	62.4		$136,767	$30,950	$424,287	($5)	0.0
271915LOE5			E	FY15 Constrctn Proj Office Proj Mngmnt FQ2	05-Jan-15	31-Mar-15	31-Mar-15		100%	$105,816	$0	$105,816	$0	0.0
271915LOE7			E	FY15 Constrctn Proj Office Proj Mngmnt FQ3 & FQ4	01-Apr-15	30-Sep-15	30-Sep-15	62.2	17.32%	$30,950	$30,950	$178,696	($5)	0.0
271916LOE			E	FY16 Constrctn Proj Office Proj Mngmnt	01-Oct-15	23-Dec-15	23-Dec-15	62.2	0%	$0	$0	$49,738	$0	0.0
271916LOE5			E	FY16 Constrctn Proj Office Proj Mngmnt FQ2 and FQ3	04-Jan-16	30-Jun-16	30-Jun-16	62.2	0%	$0	$0	$90,036	$0	0.0
1.8 CONSTRUCTION PRE-OPS					01-Oct-14	22-Dec-16	22-Dec-16	38.2		$743,794	$185,782	$5,147,571	($34,231)	0.0
1.8.1 CONSTRUCTION ACCELERATOR PRE-OPS					03-Aug-16	13-Dec-16	08-Dec-16	39.6		$0	$0	$868,486	$0	0.0
1.8.1.1 CONSTRUCTION ACCELERATOR PRE-OPS BEAM COMMISIONING					03-Aug-16	13-Dec-16	08-Dec-16	39.6		$0	$0	$172,094	$0	0.0
2811034			Z	H-B ARR Process	03-Oct-16	29-Nov-16	22-Nov-16	38.4	0%	$0	$0	$0	$0	0.0
2811035			S	H-B Beam Cmmssng	30-Nov-16	13-Dec-16	08-Dec-16	38.4	0%	$0	$0	$114,729	$0	0.0
2811049			Z	H-C ARR Process	03-Aug-16	28-Sep-16	23-Aug-16	48.8	0%	$0	$0	$0	$0	-1.0
2811050			S	H-C Beam Cmmssng	29-Sep-16	05-Oct-16	30-Aug-16	48.8	0%	$0	$0	$57,365	$0	-1.0
1.8.1.2 CONSTRUCTION ACCELERATOR PRE-OPS UTILITIES					29-Sep-16	13-Dec-16	08-Dec-16	39.6		$0	$0	$696,392	$0	0.0
2812020			S	H-B Beam Cmmssng (Utilities)	30-Nov-16	13-Dec-16	08-Dec-16	38.4	0%	$0	$0	$411,124	$0	0.0
2812035			S	H-C Beam Cmmssng (Utilities)	29-Sep-16	05-Oct-16	30-Aug-16	48.8	0%	$0	$0	$285,269	$0	-1.0
1.8.2 HALLS PRE-OPS					01-Oct-14	20-Dec-16	15-Dec-16	38.6		$317,785	$89,378	$1,932,892	($34,216)	0.0
1.8.2.2 HALL B CHECKOUT AND BEAM COMMISSIONING					01-Oct-14	20-Dec-16	15-Dec-16	38.6		$146,973	$38,480	$1,386,363	($58,118)	0.0
1.8.2.2.X HALL B COMMISSIONING WITH BEAM					01-Oct-14	20-Dec-16	15-Dec-16	38.6		$41,791	$13,003	$338,111	($38,654)	0.0
2822X000			S	H-B PRE-OPS Cmmssn with Beam	30-Nov-16	13-Dec-16	08-Dec-16	38.4	0%	$0	$0	$105,062	$0	0.0
2822X005		ST	S	SVT - HBI - Full system R1, test and burn-in in Cleanroom EEL 121 - Labor	02-Mar-15	09-Mar-15	13-Mar-15		100%	$3,534	$0	$3,534	$0	0.0
2822X010		ST	S	SVT - HBI - Full system R2, test and burn-in in Cleanroom EEL 121 - Labor	08-Mar-15	14-Mar-15	27-Mar-15		100%	$3,723	$0	$3,723	$0	0.0
2822X015		ST	S	SVT - HBI - Full system R3, test and burn-in in Cleanroom EEL 121 - Labor	08-May-15	21-May-15	17-Apr-15	104.2	0%	$0	$0	$7,757	($7,757)	-4.4
2822X020		ST	S	SVT - HBI - Full system R4, test and burn-in in Cleanroom EEL 121 - Labor	27-May-15	17-Jun-15	05-May-15	100.8	0%	$0	$0	$13,960	($11,168)	-3.6
2822X025		ST	S	SVT - MECH GRP - Full system test Integration of SVT R3/R4 - Labor	01-Jul-15	22-Jul-15	03-Jun-15	99.0	0%	$0	$0	$11,078	$0	0.0
2822X027			Z	Wait (Wait Period From Funding Milestone)	01-Oct-14	06-May-15	05-Feb-15	97.4	0%	$0	$0	$0	$0	-4.4
2822X030		ST	S	HTCC - Installation of LMS	06-Feb-15	11-Jun-15	08-Apr-15	97.4	60%	$8,528	$0	$14,213	($5,685)	-4.4
2822X035		ST	S	HTCC - Quality control of the installed items	12-Jun-15	06-Aug-15	04-Jun-15	97.4	0%	$0	$0	$36,305	($14,894)	-4.4
2822X040			H	HTCC - Optical tests of mirror geometry in situ - Lab	28-May-15	26-Jun-15	16-Jul-15	103.0	0%	$0	$0	$10,845	$0	-4.4
2822X045		ST	S	LTCC - Calibration Software	05-Jan-15	20-May-15	07-Apr-15	98.2	90%	$16,718	$3,715	$18,576	($1,858)	-4.4
2822X050		ST	S	LTCC - Calibration Test	21-Apr-15	29-Jun-15	16-Jun-15	98.2	50%	$9,288	$9,288	$18,576	$2,709	0.0
2822X055		ST	S	TDC and DISCRIMINATORS - CAEN v1190 (1) and v1290N (7) TDC's installati	05-Jun-15	11-Jun-15	11-Jun-15	107.6	0%	$0	$0	$5,750	$0	0.0
2822X060		ST	S	TDC and DISCRIMINATORS -JLab TDC Fanout (2) test/install (SF)	05-Jun-15	11-Jun-15	11-Jun-15	107.6	0%	$0	$0	$1,917	$0	0.0
2822X065			H	Survey (as found location) LTCC positions	17-Feb-16	19-Feb-16	19-Jan-16	70.8	0%	$0	$0	$3,516	$0	-4.4
2822X070			H	Cable/test/repair LTCC's	19-Feb-16	26-Feb-16	26-Jan-16	72.8	0%	$0	$0	$8,412	$0	-4.4
2822X075			H	Final Survey TOF panel 2's Positions	01-Mar-16	03-Mar-16	01-Feb-16	70.8	0%	$0	$0	$3,516	$0	-4.4
2822X080			H	Cable/test/repair Panel 2 TOFs	04-Mar-16	11-Mar-16	09-Feb-16	70.8	0%	$0	$0	$8,412	$0	-4.4
2822X085			H	Align Goni and Moeller Quads	16-May-16	18-May-16	18-May-16	61.2	0%	$0	$0	$1,172	$0	0.0
2822X090		ST	S	Survey/align R2 Drift chambers	28-Jun-16	05-Jul-16	06-Jul-16	49.8	0%	$0	$0	$11,719	$0	0.0
2822X095		ST	S	Survey/align R1 Drift chambers	08-Jul-16	14-Jul-16	15-Jul-16	49.8	0%	$0	$0	$11,719	$0	0.0
2822X100		ST	S	Survey/align R3 Drift chambers	20-Jul-16	26-Jul-16	27-Jul-16	49.8	0%	$0	$0	$11,719	$0	0.0
2822X1005		ST	S	Wait (Wait Period from Funding Milestone)	01-Oct-15	30-Mar-16	30-Mar-16	65.2	0%	$0	$0	$0	$0	0.0
2822X110		ST	S	Initial Mount, cable and check SVT system	31-Mar-16	20-Apr-16	20-Apr-16	65.2	0%	$0	$0	$21,805	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work | Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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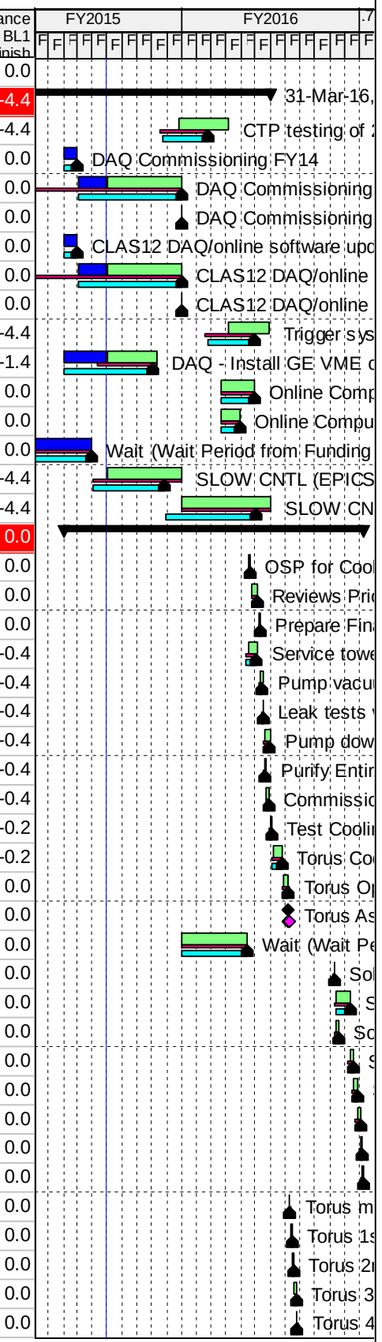
Activity ID	2 Sl R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
2822X115		ST	S	Roll in and Align SVT Sytem After Beam Run	14-Dec-16	20-Dec-16	15-Dec-16	38.4	0%	$0	$0	$4,826	$0	0.0
1.8.2.2.3 HALL B TRIGGER, DAQ AND ONLINE SOFTWARE CHECKOUT					01-Oct-14	31-Mar-16	31-Mar-16	72.2		$47,841	$12,295	$358,336	($15,446)	-4.4
28223000			U	CTP testing of 22 boards	25-Sep-15	05-Jan-16	17-Nov-15	68.2	0%	$0	$0	$49,635	$0	-4.4
28223025			H	DAQ Commissioning FY14	02-Feb-15	27-Feb-15	30-Sep-14		100%	$2,568	$0	$2,568	$0	0.0
28223025A		ST	S	DAQ Commissioning FY15	02-Mar-15	30-Sep-15	30-Sep-15	91.8	28.8%	$9,881	$4,940	$34,309	($9,784)	0.0
28223025B			H	DAQ Commissioning FY16	01-Oct-15	02-Oct-15	02-Oct-15	91.8	0%	$0	$0	$279	$0	0.0
28223030			H	CLAS12 DAQ/online software updates FY14	02-Feb-15	27-Feb-15	30-Sep-14		100%	$3,822	$0	$3,822	$0	0.0
28223030A		ST	S	CLAS12 DAQ/online software updates FY15	02-Mar-15	30-Sep-15	30-Sep-15	91.8	28.8%	$14,708	$7,354	$51,070	($14,564)	0.0
28223030B			H	CLAS12 DAQ/online software updates FY16	01-Oct-15	02-Oct-15	02-Oct-15	91.8	0%	$0	$0	$415	$0	0.0
28223040			S	Trigger system commissioning	06-Jan-16	30-Mar-16	23-Feb-16	68.2	0%	$0	$0	$133,985	$0	-4.4
28223045			U	DAQ - Install GE VME controllers (53)	02-Feb-15	12-Aug-15	12-Aug-15	99.0	67.92%	$16,862	$0	$24,826	$12,532	-1.4
28223050		ST	S	Online Computing - Install CISCO 2960S switches (24 Cu ports) (15)	23-Dec-15	29-Feb-16	29-Feb-16	72.6	0%	$0	$0	$12,413	$0	0.0
28223055			H	Online Computing - Install 4-port 10GBit Blades for BigIron	23-Dec-15	29-Jan-16	29-Jan-16	76.8	0%	$0	$0	$3,103	$0	0.0
28223060			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	31-Mar-15	31-Mar-15		100%	$0	$0	$0	$0	0.0
28223065		ST	S	SLOW CNTL (EPICS device drivers and Interlocks) FY15	01-May-15	30-Sep-15	30-Sep-15	72.0	0%	$0	$0	$20,955	($3,630)	-4.4
28223070		ST	S	SLOW CNTL (EPICS device drivers and Interlocks) FY16	01-Oct-15	31-Mar-16	31-Mar-16	72.0	0%	$0	$0	$20,955	$0	-4.4
1.8.2.2.6 HALL B MAGNET INSTALLATION TESTING					02-Feb-15	10-Oct-16	05-Oct-16	38.6		$57,341	$13,182	$689,916	($4,019)	0.0
28226000			S	OSP for Cooldown	15-Feb-16	19-Feb-16	19-Feb-16	51.4	0%	$0	$0	$13,096	$0	0.0
28226001			S	Reviews Prior to Cooldown	22-Feb-16	04-Mar-16	04-Mar-16	51.4	0%	$0	$0	$22,299	$0	0.0
28226002			H	Prepare Final Documentation	07-Mar-16	11-Mar-16	11-Mar-16	51.4	0%	$0	$0	$8,666	$0	0.0
28226002A			S	Service tower/cryoduct Instrumentation testing	15-Feb-16	04-Mar-16	02-Mar-16	49.8	0%	$0	$0	$29,949	$0	-0.4
28226002B			H	Pump vacuum	10-Mar-16	16-Mar-16	14-Mar-16	49.8	0%	$0	$0	$4,471	$0	-0.4
28226002C			H	Leak tests while pumping	17-Mar-16	18-Mar-16	16-Mar-16	49.8	0%	$0	$0	$2,960	$0	-0.4
28226002D			H	Pump down vacuum and Final Leak Check	21-Mar-16	01-Apr-16	30-Mar-16	50.2	0%	$0	$0	$5,447	$0	-0.4
28226002F			H	Purify Entire Torus System	21-Mar-16	23-Mar-16	21-Mar-16	49.8	0%	$0	$0	$3,546	$0	-0.4
28226003			H	Commission Cryogenic System (Pump/Backfill, U-tubes, Circulate Warm Gas)	24-Mar-16	30-Mar-16	28-Mar-16	49.8	0%	$0	$0	$6,392	$0	-0.4
28226004			H	Test Cooling System down to 0 c/273 K	31-Mar-16	05-Apr-16	04-Apr-16	49.8	0%	$0	$0	$4,618	$0	-0.2
28226005			S	Torus Cooldown	06-Apr-16	26-Apr-16	25-Apr-16	49.8	0%	$0	$0	$63,244	$0	-0.2
28226010			S	Torus Operational Tests	27-Apr-16	06-May-16	09-May-16	49.8	0%	$0	$0	$36,569	$0	0.0
28226011			M	Torus Assembled and Tested		06-May-16	10-May-16	49.8	0%	$0	$0	$0	$0	0.0
28226015			Z	Wait (Wait Period from Funding Milestone)	01-Oct-15	12-Feb-16	12-Feb-16	51.4	0%	$0	$0	$0	$0	0.0
28226020			H	Sol TST & COMM: Install U-tubes to Solenoid CryoCan	12-Aug-16	12-Aug-16	09-Aug-16	38.4	0%	$0	$0	$2,174	$0	0.0
28226025			H	Sol TST & COMM: Start Slow-cool of Solenoid Magnet System	15-Aug-16	12-Sep-16	07-Sep-16	38.4	0%	$0	$0	$6,975	$0	0.0
28226030			H	Sol TST & COMM: Assemble Field measurement hardware	15-Aug-16	19-Aug-16	16-Aug-16	41.4	0%	$0	$0	$3,893	$0	0.0
28226035			H	Sol TST & COMM: Incrementally Power Solenoid Magnet to full field	13-Sep-16	19-Sep-16	14-Sep-16	38.4	0%	$0	$0	$6,906	$0	0.0
28226040			H	Sol TST & COMM: Map CLAS12 Solenoid at full field for both polarities	20-Sep-16	26-Sep-16	21-Sep-16	38.4	0%	$0	$0	$8,859	$0	0.0
28226045			S	Sol TST & COMM: Map CLAS12 Solenoid at incremental fields for both polar	27-Sep-16	04-Oct-16	29-Sep-16	38.4	0%	$0	$0	$12,752	$0	0.0
28226050			S	Sol TST & COMM: Map CLAS12 Solenoid field at Detector locations	05-Oct-16	06-Oct-16	03-Oct-16	38.4	0%	$0	$0	$12,752	$0	0.0
28226055			S	Sol TST & COMM: Re-map CLAS12 Solenoid fields as per results of initial ar	07-Oct-16	10-Oct-16	05-Oct-16	38.4	0%	$0	$0	$12,752	$0	0.0
28226175			H	Torus mapping at 100A	09-May-16	11-May-16	12-May-16	49.8	0%	$0	$0	$5,280	$0	0.0
28226180			H	Torus 1st Sector Measurement	12-May-16	16-May-16	17-May-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226185			H	Torus 2nd Sector Measurement	17-May-16	19-May-16	20-May-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226190			H	Torus 3rd Sector Measurement	20-May-16	24-May-16	25-May-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226195			H	Torus 4th Sector Measurement	25-May-16	26-May-16	27-May-16	49.8	0%	$0	$0	$6,196	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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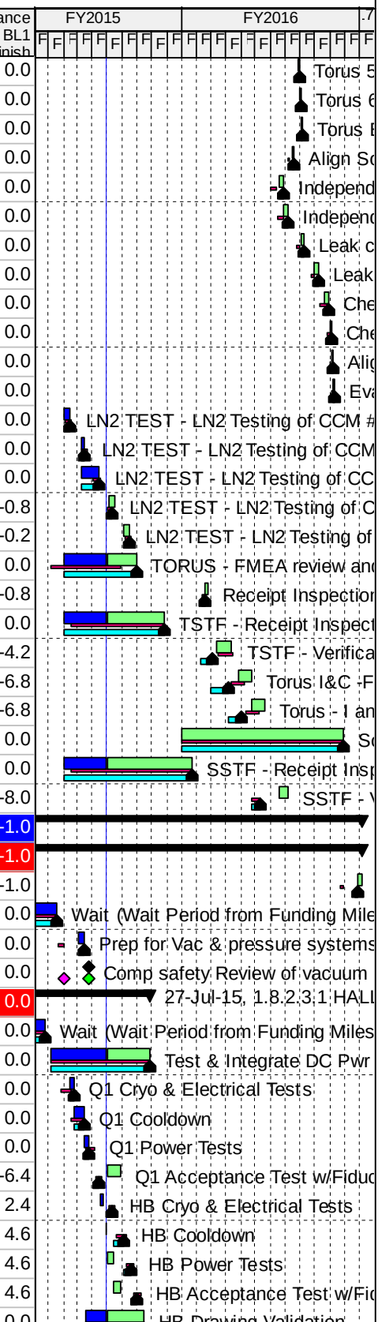
Activity ID	2 Si R	Activ with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
28226200			H	Torus 5th Sector Measurement	27-May-16	31-May-16	01-Jun-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226205			H	Torus 6th Sector Measurement	01-Jun-16	02-Jun-16	03-Jun-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226210			H	Torus Bore Measurement	03-Jun-16	06-Jun-16	07-Jun-16	49.8	0%	$0	$0	$6,196	$0	0.0
28226235			H	Align Solenoid - Initial	16-May-16	18-May-16	10-May-16	38.4	0%	$0	$0	$4,186	$0	0.0
28226240			H	Independent leak check solenoid magnet cryogenic circuits	19-Apr-16	27-Apr-16	14-Apr-16	38.4	0%	$0	$0	$2,953	$0	0.0
28226245			H	Independent electrical check solenoid instrumentaion	28-Apr-16	06-May-16	28-Apr-16	38.4	0%	$0	$0	$4,926	$0	0.0
28226250			S	Leak check solenoid magnet/cryocan circuits	03-Jun-16	09-Jun-16	01-Jun-16	38.4	0%	$0	$0	$13,854	$0	0.0
28226255			H	Leak check solenoid magnet/cryocan circuits & InsVac	01-Jul-16	08-Jul-16	29-Jun-16	38.4	0%	$0	$0	$4,906	$0	0.0
28226260			H	Checkout instrumentation from solenoid magnet system to Control system	21-Jul-16	29-Jul-16	26-Jul-16	38.4	0%	$0	$0	$15,042	$0	0.0
28226265			H	Checkout cryogenic signal readbacks & valve operations	01-Aug-16	04-Aug-16	01-Aug-16	38.4	0%	$0	$0	$7,027	$0	0.0
28226270			H	Align Solenoid - Final	05-Aug-16	08-Aug-16	03-Aug-16	38.4	0%	$0	$0	$4,863	$0	0.0
28226275			Z	Evacuate and purge all cryogenic circuits	09-Aug-16	11-Aug-16	08-Aug-16	38.4	0%	$0	$0	$1,172	$0	0.0
28226280		ST	S	LN2 TEST - LN2 Testing of CCM #3	02-Feb-15	13-Feb-15	16-Feb-15		100%	$11,942	$0	$11,942	$0	0.0
28226285		ST	S	LN2 TEST - LN2 Testing of CCM #4	09-Mar-15	16-Mar-15	20-Mar-15		100%	$13,799	$0	$13,799	$0	0.0
28226290		ST	S	LN2 TEST - LN2 Testing of CCM #5	09-Mar-15	14-Apr-15	16-Apr-15		100%	$13,799	$3,077	$13,799	$0	0.0
28226295		ST	S	LN2 TEST - LN2 Testing of CCM #6	06-May-15	18-May-15	11-May-15	50.0	0%	$0	$0	$13,799	$0	-0.8
28226300		ST	S	LN2 TEST - LN2 Testing of CCM #7	04-Jun-15	17-Jun-15	19-Jun-15	95.2	0%	$0	$0	$13,799	$0	-0.2
28226305		ST	S	TORUS - FMEA review and closure - Design and Parts	02-Feb-15	30-Jun-15	29-May-15	85.4	60%	$9,079	$6,053	$15,132	($3,115)	0.0
28226310			D	Receipt Inspection of Hall B Cryo Distribution Can	19-Nov-15	25-Nov-15	19-Nov-15	57.2	0%	$0	$0	$5,629	$0	-0.8
28226320		NB	S	TSTF - Receipt Inspection of Components and Material	02-Feb-15	28-Aug-15	28-Aug-15	65.6	35.64%	$6,265	$3,069	$17,579	($664)	0.0
28226325			D	TSTF - Verification Testing	14-Dec-15	12-Jan-16	15-Jan-16	51.2	0%	$0	$0	$26,685	$0	-4.2
28226330			S	Torus I&C -Final Verification Point-to-Point	27-Jan-16	22-Feb-16	08-Feb-16	55.0	0%	$0	$0	$25,679	$0	-6.8
28226335			S	Torus - I and C Commissioning (De-Bug PLC, EPICS, Fast DAQ)	23-Feb-16	21-Mar-16	07-Mar-16	55.0	0%	$0	$0	$99,756	$0	-6.8
28226340			S	Solenoid Commissioning - Design & Documentation FY16	01-Oct-15	30-Aug-16	30-Aug-16	41.0	0%	$0	$0	$34,282	$0	0.0
28226345		NB	S	SSTF - Receipt Inspection of Components and Material	02-Feb-15	23-Oct-15	23-Oct-15	61.8	27.95%	$2,457	$983	$8,789	($240)	0.0
28226350			D	SSTF - Verification Testing	20-Apr-16	06-May-16	11-Mar-16	38.4	0%	$0	$0	$13,342	$0	-8.0
1.8.2.3 HALL C CHECKOUT AND BEAM COMMISSIONING					01-Oct-14	05-Oct-16	30-Aug-16	49.0		$143,240	$50,898	$518,957	$23,903	-1.0
1.8.2.3.X HALL C COMMISSIONG WITH BEAM					01-Oct-14	05-Oct-16	30-Aug-16	49.0		$6,164	$0	$51,555	$0	-1.0
2823X000		ST	S	H-C PRE-OPS Cmmssn with Beam	29-Sep-16	05-Oct-16	30-Aug-16	48.8	0%	$0	$0	$45,391	$0	-1.0
2823X003			H	Wait (Wait Period from Funding Milestone)	01-Oct-14	16-Jan-15	16-Jan-15		100%	$0	$0	$0	$0	0.0
2823X005			H	Prep for Vac & pressure systems Safety Review	02-Mar-15	14-Mar-15	02-Feb-15		100%	$6,164	$0	$6,164	$0	0.0
2823X010M			Z	Comp safety Review of vacuum & pressure Vessel systems Implementn		23-Mar-15	02-Feb-15		100%	$0	$0	$0	$0	0.0
1.8.2.3.1 HALL C HB AND Q1 TESTING					01-Oct-14	27-Jul-15	27-Jul-15	103.6		$137,076	$50,898	$202,500	$23,903	0.0
28231015			Z	Wait (Wait Period from Funding Milestone)	01-Oct-14	23-Dec-14	23-Dec-14		100%	$0	$0	$0	$0	0.0
28231025		ST	S	Test & Integrate DC Pwr Sys for all magnets	05-Jan-15	27-Jul-15	27-Jul-15	101.4	66.6%	$17,122	$8,638	$25,708	$2,095	0.0
28231030		ST	S	Q1 Cryo & Electrical Tests	13-Feb-15	23-Feb-15	16-Feb-15		100%	$22,660	$0	$22,660	$0	0.0
28231035		ST	S	Q1 Cooldown	23-Feb-15	16-Mar-15	16-Mar-15		100%	$17,059	$0	$17,059	$0	0.0
28231040		ST	S	Q1 Power Tests	16-Mar-15	23-Mar-15	06-Apr-15		100%	$15,106	$0	$15,106	$0	0.0
28231045			H	Q1 Acceptance Test w/Fiducialization & Mapping	01-May-15	29-May-15	20-Apr-15	104.2	0%	$0	$0	$8,160	($8,160)	-6.4
28231050		ST	S	HB Cryo & Electrical Tests	17-Apr-15	24-Apr-15	18-May-15		100%	$22,660	$22,660	$22,660	$22,660	2.4
28231055		ST	S	HB Cooldown	28-Apr-15	30-Apr-15	10-Jun-15		100%	$17,059	$17,059	$17,059	$17,059	4.6
28231060		ST	S	HB Power Tests	01-May-15	14-May-15	24-Jun-15	82.0	0%	$0	$0	$15,106	$0	4.6
28231065			H	HB Acceptance Test w/Fiducialization & Mapping	15-May-15	29-May-15	09-Jul-15	82.0	0%	$0	$0	$8,160	$0	4.6
28231070			U	HB Drawing Validation	17-Mar-15	17-Jul-15	17-Jul-15	104.6	0%	$0	$0	$25,411	($9,751)	0.0

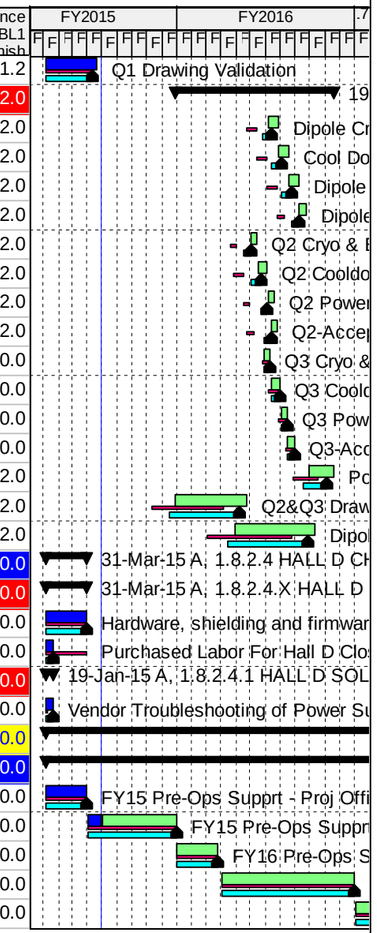


Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

(c) Primavera Systems, Inc.

Activity ID	2 Si R	Acti with Ster	EVM Rep Coc	Activity Name	Start	Finish	BL Project Finish	Total Float	Physical % Complete	Earned Value Cost	MONTHLY EV COST	BL Project Total Cost	Schedule Variance	Variance - BL1 Finish
28231075			U	Q1 Drawing Validation	05-Jan-15	20-Apr-15	10-Apr-15		100%	$25,411	$2,541	$25,411	$0	-1.2
1.8.2.3.6 HALL C DIPOLE AND Q2Q3 MAGNET TESTING					30-Sep-15	19-Aug-16	18-Jul-16	50.4		$0	$0	$264,902	$0	-2.0
28236000		ST	S	Dipole Cryo & Electrical Tests	08-Apr-16	27-Apr-16	14-Mar-16	48.8	0%	$0	$0	$22,660	$0	-2.0
28236002		ST	S	Cool Down Dipole Magnet	28-Apr-16	18-May-16	04-Apr-16	48.8	0%	$0	$0	$16,189	$0	-2.0
28236005		ST	S	Dipole Power Tests	19-May-16	09-Jun-16	25-Apr-16	48.8	0%	$0	$0	$15,106	$0	-2.0
28236007			H	Dipole Acceptance Test w/Fiducialization & Mapping	10-Jun-16	23-Jun-16	09-May-16	48.8	0%	$0	$0	$10,070	$0	-2.0
28236010		ST	S	Q2 Cryo & Electrical Tests	02-Mar-16	15-Mar-16	01-Feb-16	59.4	0%	$0	$0	$22,660	$0	-2.0
28236015		ST	S	Q2 Cooldown	16-Mar-16	05-Apr-16	15-Feb-16	59.4	0%	$0	$0	$17,059	$0	-2.0
28236020		ST	S	Q2 Power Tests	06-Apr-16	19-Apr-16	29-Feb-16	59.4	0%	$0	$0	$15,106	$0	-2.0
28236025			H	Q2-Acceptance Test w/Fiducialization & Mapping	13-Apr-16	26-Apr-16	07-Mar-16	59.4	0%	$0	$0	$8,160	$0	-2.0
28236030		ST	S	Q3 Cryo & Electrical Tests	29-Mar-16	11-Apr-16	07-Apr-16	54.6	0%	$0	$0	$22,660	$0	0.0
28236035		ST	S	Q3 Cooldown	12-Apr-16	02-May-16	28-Apr-16	54.6	0%	$0	$0	$17,059	$0	0.0
28236040		ST	S	Q3 Power Tests	03-May-16	16-May-16	12-May-16	54.6	0%	$0	$0	$15,106	$0	0.0
28236045			H	Q3-Acceptance Test w/Fiducialization & Mapping	17-May-16	31-May-16	26-May-16	54.6	0%	$0	$0	$8,160	$0	0.0
28236060		ST	S	Power all Magnets together	01-Jul-16	19-Aug-16	18-Jul-16	50.2	0%	$0	$0	$24,086	$0	-2.0
28236065			U	Q2&Q3 Drawing Validation	30-Sep-15	22-Feb-16	04-Jan-16	74.6	0%	$0	$0	$25,411	$0	-2.0
28236070			U	Dipole Drawing Validation	29-Jan-16	13-Jul-16	25-May-16	55.6	0%	$0	$0	$25,411	$0	-2.0
1.8.2.4 HALL D CHECKOUT AND BEAM COMMISSIONING					05-Jan-15	31-Mar-15	31-Mar-15			$27,572	$0	$27,572	$0	0.0
1.8.2.4.X HALL D COMMISSIONING WITH BEAM					05-Jan-15	31-Mar-15	31-Mar-15			$21,572	$0	$21,572	$0	0.0
2824X010			E	Hardware, shielding and firmware improvements	05-Jan-15	31-Mar-15	31-Mar-15		100%	$19,999	$0	$19,999	$0	0.0
2824X015			H	Purchased Labor For Hall D Closeout	05-Jan-15	19-Jan-15	31-Mar-15		100%	$1,573	$0	$1,573	$0	0.0
1.8.2.4.1 HALL D SOLENOID COMMISSIONING					05-Jan-15	19-Jan-15	08-Jan-15			$6,000	$0	$6,000	$0	0.0
28241000aB5			D	Vendor Troubleshooting of Power Supply	05-Jan-15	19-Jan-15	08-Jan-15		100%	$6,000	$0	$6,000	$0	0.0
1.8.3 PRE-OPS SUPPORT					05-Jan-15	22-Dec-16	22-Dec-16	38.2		$426,008	$96,405	$2,346,193	($16)	0.0
1.8.3.1 PRE-OPS SUPPORT - PROJECT OFFICE					05-Jan-15	22-Dec-16	22-Dec-16	38.2		$426,008	$96,405	$2,346,193	($16)	0.0
2831915LOE5			E	FY15 Pre-Ops Supprt - Proj Office Part FQ2	05-Jan-15	31-Mar-15	31-Mar-15		100%	$329,604	$0	$329,604	$0	0.0
2831915LOE7			E	FY15 Pre-Ops Supprt - Proj Office Part FQ3 & FQ4	01-Apr-15	30-Sep-15	30-Sep-15	38.0	17.32%	$96,405	$96,405	$556,609	($16)	0.0
2831916LOE			E	FY16 Pre-Ops Supprt - Proj Office FQ1	01-Oct-15	23-Dec-15	23-Dec-15	38.0	0%	$0	$0	$269,580	$0	0.0
2831916LOE5			E	FY16 Pre-Ops Supprt - Proj Office FQ2, FQ3 & FQ4	04-Jan-16	30-Sep-16	30-Sep-16	38.0	0%	$0	$0	$892,328	$0	0.0
2831917LOE			E	FY17 Pre-Ops Supprt - Proj Office	03-Oct-16	22-Dec-16	22-Dec-16	38.0	0%	$0	$0	$298,072	$0	0.0



Primary Baseline Milestone | Primary Baseline | Remaining Work
Project Baseline Bar | Actual Work | Critical Remaining ...

TASK filter: RESP - Responsibility to use After FY15E.

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