

LCLS-II HE Forecast				LCLS-II HE Progress May 2021 - JLAB Scope						09-Jun-21 11:17																										
Activity ID	Activity Name			Planned Duration	Start	Finish	BL Project Start	BL Project Finish	Physical % Complete	Total Float	Planned Labor Units	Planned Nonlabor Units																								
													FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025																	
L2HE - Forecast - ME.1.02 Cryogenic Systems	PM_PROC_035	L2HE PROC Support - JLAB (Labor) - FY23		243	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0%	601	500	0																								
	PM_PROC_037	L2HE PROC Support - JLAB (Labor) - FY24		243	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0%	601	250	0																								
	PM_PROC_040	L2HE PROC - JLAB (M&S-Travel) - FY20		248	01-Oct-19 A	30-Jun-20 A	01-Oct-19	30-Jun-20	100%		0	0																								
	PM_PROC_050	L2HE PROC - JLAB (M&S-Travel) - FY21		247	01-Oct-20 A	30-Sep-21	01-Oct-20	30-Sep-21	65.2%	601	0	20000																								
	PM_PROC_060	L2HE PROC - JLAB (M&S-Travel) - FY22		244	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0%	601	0	15000																								
	PM_PROC_070	L2HE PROC - JLAB (M&S-Travel) - FY23		243	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0%	601	0	5000																								
	PM_PROC_080	L2HE PROC - JLAB (M&S-Travel) - FY24		243	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0%	601	0	1000																								
	PM_SCD_010	L2HE Configuration & Documentation Support - JLAB (Labor) - FY20		244	01-Oct-19 A	30-Jun-20 A	01-Oct-19	30-Jun-20	100%		0	0																								
	PM_SCD_020	L2HE Configuration & Documentation Support - JLAB (Labor) - FY21		247	01-Oct-20 A	30-Sep-21	01-Oct-20	30-Sep-21	65.2%	601	1026	0																								
	PM_SCD_030	L2HE Configuration & Documentation Support - JLAB (Labor) - FY22		244	01-Oct-21	30-Sep-22	01-Oct-21	30-Sep-22	0%	601	1426	0																								
	PM_SCD_040	L2HE Configuration & Documentation Support - JLAB (Labor) - FY23		243	03-Oct-22	29-Sep-23	03-Oct-22	29-Sep-23	0%	601	500	0																								
	PM_SCD_050	L2HE Configuration & Documentation Support - JLAB (Labor) - FY24		243	02-Oct-23	30-Sep-24	02-Oct-23	30-Sep-24	0%	601	250	0																								
L2HE - Forecast - ME.1.02 Cryogenic Systems				1132	13-May-20 A	07-Jan-25	13-May-20	15-Oct-24		943	18484																									

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												FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025					
	CM_GV_5950	RCV: Lot #1J of Gate Valves from Vendor at JLAB	5	26-Mar-21 A	26-Mar-21 A	01-Jun-21	07-Jun-21	100%		0	0												
	CM_GV_59510	ACCEPT: Lot #1J of Gate Valves at JLAB	1	26-Mar-21 A	26-Mar-21 A	08-Jun-21	08-Jun-21	100%		0	80340												
	CM_GV_59520	WAIT: To Inspect Lot #1J of Gate Valves at JLAB	115	01-Jun-21	10-Nov-21	08-Jun-21	18-Jun-21	0%	2	0	0												
	CM_GV_5960	INSPECT: Lot #1J of Gate Valves at JLAB	5	11-Nov-21	17-Nov-21	21-Jun-21	25-Jun-21	0%	2	10	0												
L2HE - Forecast - ME.1.02.06.09 1.3 GHz Cryomodule Components - JLAB			700	13-May-20 A	04-Mar-22	13-May-20	11-May-22		1463	370	1310226												
L2HE - Forecast - ME.1.02.06.09.01 2-Phase Circuit - JLAB			66	09-Mar-21 A	02-Jul-21	03-Aug-20	05-Aug-20		133	10	0												
	CM_2PC_3010	RCV: Lot #1J of 2-Phase Circuit from FNAL	1	09-Mar-21 A	30-Jun-21	03-Aug-20	03-Aug-20	10%	133	0	0												
	CM_2PC_3020	INSPECT: Lot #1J of 2-Phase Circuit from FNAL	2	01-Jul-21	02-Jul-21	04-Aug-20	05-Aug-20	0%	133	10	0												
L2HE - Forecast - ME.1.02.06.09.02 End Lever Tuners - JLAB			346	31-Jul-20 A	10-Jan-22	02-Jul-20	10-Jan-22		51	28	310855												
	CM_TU_49000	RQN: Submission of Technical Package/RQN to Proc for Piezos	1	31-Jul-20 A	31-Jul-20 A	02-Jul-20	02-Jul-20	100%		0	26173												
	CM_TU_49005	RQN: Submission of Technical Package/RQN to Proc for Piezos	0	25-Nov-20 A	25-Nov-20 A	25-Nov-20	25-Nov-20	100%		0	163												
	CM_TU_49010	AWARD: Piezos	1	30-Nov-20 A	30-Nov-20 A	30-Nov-20	30-Nov-20	100%		0	26336												
	CM_TU_4970	Vendor Fabrication Lot #1J of Piezos	83	01-Feb-21 A	06-Apr-21 A	01-Dec-20	27-May-21	100%		0	0												
	CM_TU_4980	RCV: Lot #1J of Piezos from Vendor at JLAB	1	20-Apr-21 A	20-Apr-21 A	28-May-21	28-May-21	100%		0	0												
	CM_TU_4990	INSPECT: Lot #1J of Piezos at JLAB	21	01-Jun-21	29-Jun-21	01-Jun-21	01-Jun-21	0%	176	12	0												
	CM_TU_5000	ACCEPT: Lot #1J of Piezos at JLAB	1	21-Apr-21 A	21-Apr-21 A	01-Jun-21	01-Jun-21	100%		0	26336												
	CM_TU_56600	RQN: Submission of Technical Package/RQN to Proc for Motors	1	31-Jul-20 A	31-Jul-20 A	02-Jul-20	02-Jul-20	100%		0	49979												
	CM_TU_56605	RQN: Submission of Technical Package/RQN to Proc for Motors	1	01-Dec-20 A	01-Dec-20 A	01-Dec-20	01-Dec-20	100%		0	-3531												
	CM_TU_56610	AWARD: Motors	1	15-Dec-20 A	15-Dec-20 A	15-Dec-20	15-Dec-20	100%		0	46448												
	CM_TU_5690	Vendor Fabrication Lot #1J of Motors	128	16-Dec-20 A	19-May-21 A	16-Dec-20	29-Jun-21	100%		0	0		</										

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												FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025					
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	CM_ENG_2000	Review and Implement Lessons Learned	413	01-Jul-19 A	30-Jun-20 A	01-Jul-19	30-Jun-20	100%		0	0								Review and Implement Lessons Learned			
	CM_ENG_2000_	Review and Implement Lessons Learned	66	01-Jun-21	01-Sep-21	01-Jul-20	01-Sep-21	0%	902	176	0								Review and Implement Lessons Lea			
	CM_ENG_2010	***REPLAN***Support Revised Drawings & SOWs for FNAL/SLAC Procurements	20	03-Sep-19 A	30-Sep-19 A	03-Sep-19	30-Sep-19	100%		0	0								***REPLAN***Support Revised Drawings & SOWs for			
	CM_ENG_2010_	Support Revised Drawings & SOWs for FNAL/SLAC Procurements	245	01-Oct-19 A	30-Jun-20 A	01-Oct-19	30-Jun-20	100%		0	0								Support Revised Drawings & SOWs for FNAL/S			
	CM_ENG_2010_	Support Revised Drawings & SOWs for FNAL/SLAC Procurements	309	01-Jul-20 A	30-Nov-20 A	01-Jul-20	30-Sep-21	100%		303	0								Support Revised Drawings & SOWs for FN			
	CM_ENG_2020	***REPLAN***Support Revised FNAL/SLAC drawings, SOWs & Proc Prep for JLab Procurements	20	03-Sep-19 A	30-Sep-19 A	03-Sep-19	30-Sep-19	100%		0	0								***REPLAN***Support Revised: FNAL/SLAC drawings			
	CM_ENG_2020_	Support Revised FNAL/SLAC drawings, SOWs & Proc Prep for JLab Procurements	245	01-Nov-19 A	30-Jun-20 A	01-Nov-19	30-Jun-20	100%		0	0								Support Revised FNAL/SLAC drawings, SOWs			
	CM_ENG_2020_	Support Revised FNAL/SLAC drawings, SOWs & Proc Prep for JLab Procurements	266	03-Aug-20 A	23-Dec-20 A	01-Jul-20	30-Sep-21	100%		60	0								Support Revised FNAL/SLAC drawings, S			
	CM_ENG_2030	Engineering & Design Support of Cavity Procurement	413	01-Jul-19 A	30-Jun-20 A	01-Jul-19	30-Jun-20	100%		0	0								Engineering & Design Support of Cavity Procur			
	CM_ENG_2030_	Engineering & Design Support of Cavity Procurement	309	01-Jul-20 A	30-Sep-20 A	01-Jul-20	30-Sep-21	100%		779	0								Engineering & Design Support of Cavity Prod			
	CM_ENG_2040	Travel	413	01-Jul-19 A	30-Jun-20 A	01-Jul-19	30-Jun-20	100%		0	0								Travel			
	CM_ENG_2040_	Travel	86	01-Jun-21	30-Sep-21	01-Jul-20	30-Sep-21	0%	882	0	25000								Travel			
L2HE - Forecast - ME.1.20.06.07 1.3 GHz Cryomodule Cavity Components - JLAB			633	01-May-20 A	26-Jan-23	01-May-20	21-Nov-22		1262	5000	135240											
L2HE - Forecast - ME.1.20.06.07.01 Cavity Fabrication - JLAB			633	01-May-20 A	26-Jan-23	01-May-20	21-Nov-22		51	4400	120000											
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											F	F	F	F	F	F	F

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	CM_VV_5315	RCV: Lot #8J Support Post Caps and Inst Tees	1	27-Jan-21 A	27-Jan-21 A	26-Jan-21	26-Jan-21	100%		0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

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											F	F	F	F	F	F	F	F
	CM_ASSY_3060	Cold Mass I Assembly - Cryomodule #J1.3-5 (WS-2)	40	13-Oct-22	09-Dec-22	14-Sep-22	08-Nov-22	0%	-21	1311	0							
	CM_ASSY_3070	Cold Mass II Assembly - Cryomodule #J1.3-5 (WS-3)	40	12-Dec-22	21-Feb-23	09-Nov-22	20-Jan-23	0%	-21	1345	0							
	CM_ASSY_3080	Vacuum Vessel - Cryomodule #J1.3-5 (WS-4)	40	22-Feb-23	18-Apr-23	23-Jan-23	20-Mar-23	0%	-21	740	0							
	CM_ASSY_3090	Final Assembly - Cryomodule #J1.3-5 (WS-5)	40	19-Apr-23	14-Jun-23	21-Mar-23	15-May-23	0%	-21	1312	0							
	CM_ASSY_309	COMP: Cryomodule #J1.3-5 Assembly	0		14-Jun-23		15-May-23	0%	-21	0	0							
L2HE - Forecast - ME.1.20.06.13.06 Cryomodule Assembly - #J1.3-6 - JLAB			160	12-Dec-22	10-Aug-23	09-Nov-22	12-Jul-23		-21	4708	0							
	CM_ASSY_3100	Cold Mass I Assembly - Cryomodule #J1.3-6 (WS-2)	40	12-Dec-22	21-Feb-23	09-Nov-22	20-Jan-23	0%	-21	1311	0							
	CM_ASSY_3110	Cold Mass II Assembly - Cryomodule #J1.3-6 (WS-3)	40	22-Feb-23	18-Apr-23	23-Jan-23	20-Mar-23	0%	-21	1345	0							
	CM_ASSY_3120	Vacuum Vessel - Cryomodule #J1.3-6 (WS-4)	40	19-Apr-23	14-Jun-23	21-Mar-23	15-May-23	0%	-21	740	0							
	CM_ASSY_3130	Final Assembly - Cryomodule #J1.3-6 (WS-5)	40	15-Jun-23	10-Aug-23	16-May-23	12-Jul-23	0%	-21	1312	0							
	CM_ASSY_313	COMP: Cryomodule #J1.3-6 Assembly	0		10-Aug-23		12-Jul-23	0%	-21	0	0							
L2HE - Forecast - ME.1.20.06.13.07 Cryomodule Assembly - #J1.3-7 - JLAB			160	22-Feb-23	06-Oct-23	23-Jan-23	07-Sep-23		-21	4708	0							
	CM_ASSY_3140	Cold Mass I Assembly - Cryomodule #J1.3-7 (WS-2)	40	22-Feb-23	18-Apr-23	23-Jan-23	20-Mar-23	0%	-21	1311	0							
	CM_ASSY_3150	Cold Mass II Assembly - Cryomodule #J1.3-7 (WS-3)	40	19-Apr-23	14-Jun-23	21-Mar-23	15-May-23	0%	-21	1345	0							
	CM_ASSY_3160	Vacuum Vessel - Cryomodule #J1.3-7 (WS-4)	40	15-Jun-23	10-Aug-23	16-May-23	12-Jul-23	0%	-21	740	0							
	CM_ASSY_3170	Final Assembly - Cryomodule #J1.3-7 (WS-5)	40	11-Aug-23	06-Oct-23	13-Jul-23	07-Sep-23	0%	-21	1312	0							
	CM_ASSY_317	COMP: Cryomodule #J1.3-7 Assembly	0		06-Oct-23		07-Sep-23	0%	-21	0	0							
L2HE - Forecast - ME.1.20.06.13.08 Cryomodule Assembly - #J1.3-8 - JLAB			160	19-Apr-23	05-Dec-23	21-Mar-23	02-Nov-23		-21	4708	0							
	CM_ASSY_3180	Cold Mass I Assembly - Cryomodule #J1.3-8 (WS-2)	40	19-Apr-23	14-Jun-23	21-Mar-23	15-May-23	0%	-21	1311	0							
	CM_ASSY_3190	Cold Mass II Assembly - Cryomodule #J1.3-8 (WS-3)	40	15-Jun-23	10-Aug-23	16-May-23	12-Jul-23	0%	-21	1345	0							
	CM_ASSY_3200	Vacuum Vessel - Cryomodule #J1.3-8 (WS-4)	40	11-Aug-23	06-Oct-23	13-Jul-23	07-Sep-23	0%	-21	740	0							
	CM_ASSY_3210	Final Assembly - Cryomodule #J1.3-8 (WS-5)	40	09-Oct-23	05-Dec-23	08-Sep-23	02-Nov-23	0%	-21	1312	0							
	CM_ASSY_3211	COMP: Cryomodule #J1.3-8 Assembly	0		05-Dec-23		02-Nov-23	0%	-21	0	0							
L2HE - Forecast - ME.1.20.06.13.09 Cryomodule Assembly - #J1.3-9 - JLAB			160	15-Jun-23	15-Feb-24	16-May-23	17-Jan-24		-21	4708	0							
	CM_ASSY_3220	Cold Mass I Assembly - Cryomodule #J1.3-9 (WS-2)	40	15-Jun-23	10-Aug-23	16-May-23	12-Jul-23	0%	-21	1311	0							
	CM_ASSY_3230	Cold Mass II Assembly - Cryomodule #J1.3-9 (WS-3)	40	11-Aug-23	06-Oct-23	13-Jul-23	07-Sep-23	0%	-21	1345	0							
	CM_ASSY_3240	Vacuum Vessel - Cryomodule #J1.3-9 (WS-4)	40	09-Oct-23	05-Dec-23	08-Sep-23	02-Nov-23	0%	-21	740	0							
	CM_ASSY_3250	Final Assembly - Cryomodule #J1.3-9 (WS-5)	40	06-Dec-23	15-Feb-24	03-Nov-23	17-Jan-24	0%	-21	1312	0							
	CM_ASSY_325	COMP: Cryomodule #J1.3-9 Assembly	0		15-Feb-24		17-Jan-24	0%	-21	0	0							
L2HE - Forecast - ME.1.20.06.13.10 Cryomodule Assembly - #J1.3-10 - JLAB			160	11-Aug-23	12-Apr-24	13-Jul-23	14-Mar-24		1120	4708	0							
	CM_ASSY_3260	Cold Mass I Assembly - Cryomodule #J1.3-10 (WS-2)	40	11-Aug-23	06-Oct-23	13-Jul-23	07-Sep-23	0%	-21	1311	0							
	CM_ASSY_3270	Cold Mass II Assembly - Cryomodule #J1.3-10 (WS-3)	40	09-Oct-23	05-Dec-23	08-Sep-23	02-Nov-23	0%	-21	1345	0							
	CM_ASSY_3280	Vacuum Vessel - Cryomodule #J1.3-10 (WS-4)	40	06-Dec-23	15-Feb-24	03-Nov-23	17-Jan-24	0%	-21	740	0							
	CM_ASSY_3290	Final Assembly - Cryomodule #J1.3-10 (WS-5)	40	16-Feb-24	12-Apr-24	18-Jan-24	14-Mar-24	0%	-21	1312	0							
	CM_ASSY_329	COMP: Cryomodule #J1.3-10 Assembly	0		12-Apr-24		14-Mar-24	0%	626	0	0							
CM_ASSY_329	COMP: Cryomodule Assembly	0		12-Apr-24		14-Mar-24	0%	1120	0	0								
L2HE - Forecast - ME.1.20.06.14 1.3 GHz Cryomodule Test - JLAB			365	12-Dec-22	17-Jun-24	09-Nov-22	16-May-24		626	11800	58500							
L2HE - Forecast - ME.1.20.06.14.02 Cryomodule Test - #J1.3-2 - JLAB			55	12-Dec-22	14-Mar-23	09-Nov-22	10-Feb-23		928	1700	6500							
	CM_TEST_2110	Test Cryomodule #J1.3-2	40	12-Dec-22	21-Feb-23	09-Nov-22	20-Jan-23	0%	686	1413	0							
	CM_TEST_21105	Cryomodule Crane Transport (M&S) #J1.3-2	40	12-Dec-22	21-Feb-23	09-Nov-22	20-Jan-23	0%	928	0	6500							
	CM_TEST_2115	Pack Cryomodule #J1.3-2	15	22-Feb-23	14-Mar-23	23-Jan-23	10-Feb-23	0%	928	287	0							
L2HE - Forecast - ME.1.20.06.14.03 Cryomodule Test - #J1.3-3 - JLAB			55	22-Feb-23	09-May-23	23-Jan-23	10-Apr-23		889	1700	6500							
	CM_TEST_2120	Test Cryomodule #J1.3-3	40	22-Feb-23	18-Apr-23	23-Jan-23	20-Mar-23	0%	686	1413	0							
	CM_TEST_21205	Cryomodule Crane Transport (M&S) #J1.3-3	40	22-Feb-23	18-Apr-23	23-Jan-23	20-Mar-23	0%	889	0	6500							
	CM_TEST_2125	Pack Cryomodule #J1.3-3	15	19-Apr-23	09-May-23	21-Mar-23	10-Apr-23	0%	889	287	0							
L2HE - Forecast - ME.1.20.06.14.04 Cryomodule Test - #J1.3-4 - JLAB			45	19-Apr-23	21-Jun-23	21-Mar-23	22-May-23		860	1200	6500							
	CM_TEST_2130	Test Cryomodule #J1.3-4	30	19-Apr-23	31-May-23	21-Mar-23	01-May-23	0%	686	913	0							

