

ID		Task Mode	Task Name	Duration	Start	Finish	Predecesso	Resource Initials	Qtr 3, 2024			Qtr 4, 2024			Qtr 1, 2025	
									Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
1			ePIC Final Installation	0 days	Wed 3/1/28	Wed 3/1/28										
2			Prep Work for EPIC Installation	203 days	Wed 3/1/28	Wed 12/13/28										
3			Training Techs	20 days	Wed 3/1/28	Tue 3/28/28	1	MT								
4			Prototyping and Testing of Installation Tooling	30 days	Wed 3/29/28	Tue 5/9/28	3	MT,ME BNL								
5			Load Testing of Detector Support Strucutures	30 days	Wed 5/10/28	Tue 6/20/28	4	MT,ME BNL,R								
6			Pre-Assembly of Flux Return Bars and HCAL Sectors	35 days	Wed 6/21/28	Tue 8/8/28	5	MT,ME BNL								
7			North and South Platform Modifications (Width Reduction)	100 days	Wed 3/1/28	Tue 7/18/28	1	Ext Comp								
8			DC Power Dridge Modifications	10 days	Wed 8/9/28	Tue 8/22/28	6	MT								
9			Replace Cooling Radiators, Valves and Standpipes for Electronics Racks on South Platform	30 days	Wed 8/23/28	Tue 10/3/28	8	MT								
10			Power Distribution Relocation on South Platform	10 days	Wed 8/23/28	Tue 9/5/28	8	E								
11			Coordination with Vendors and Machine Shops	153 days	Wed 3/1/28	Fri 9/29/28	1	ME BNL								
12			Coordination with External SubDetector Groups	153 days	Wed 3/1/28	Fri 9/29/28	1	ME BNL								
13			Benficial Occupancy of Bldg 1006	0 days	Mon 10/2/28	Mon 10/2/28										
14			Repair the Swaged rail lip + Insulator Installation	15 days	Mon 10/2/28	Fri 10/20/28	13	MT								
15			Detach North and South Platforms from ePIC Barrel	5 days	Mon 10/23/28	Fri 10/27/28	14	MT								
16			Refurbishing Pistons (Vertical and Horizontal) for the Cradle + Replace Guide Rollers and	7 days	Mon 10/30/28	Tue 11/7/28	15	MT,R								
17			Testing New Hydraulics and Controller	3 days	Wed 11/8/28	Fri 11/10/28	16	MT								
18			Cradle Refurbishment	20 days	Mon 11/13/28	Wed 12/13/28	17	MT								
19			Magnet and Cryo Prep Work after Beneficial Occupancy	165 days	Mon 10/2/28	Wed 6/6/29										
20			Roof Penetration on Southwest for Cryo Line	0 days	Mon 10/2/28	Mon 10/2/28	13									
21			Magnet Power Supply Installation and Testing	85 days	Mon 10/2/28	Mon 2/12/29	13	D,Ren								
22			West Wall Cryogenics Instalation	120 days	Mon 10/2/28	Tue 4/3/29	13	Rbrto								
23			Cryo Line Installation on Southwest Complete	0 days	Tue 4/3/29	Tue 4/3/29	22									
24			Install controls and power cables for Cryogenics	45 days	Wed 4/4/29	Wed 6/6/29	22	Rbrto								
25			Barrel Assembly/Installation	654 days	Thu 12/14/28	Tue 8/19/31										
26			Flux Return Bars and HCAL Sectors - Final Installation (Bottom Half)	42 days	Thu 12/14/28	Thu 2/22/29	18	MT,R								
27			Scaffold Installation for Solenoid +Support Rings Work	3 days	Fri 2/23/29	Tue 2/27/29	26	C								
28			Solenoid +Support Rings - Final Installation in Assembly Hall	5 days	Wed 2/28/29	Tue 3/6/29	27	MT,R								
29			HCAL Sectors - Final Installation (TopHalf)	42 days	Wed 3/7/29	Thu 5/3/29	28	MT,R								
30			Flux Return Bars - Final Installation (Top Half)	18 days	Fri 5/4/29	Wed 5/30/29	29	MT,R								
31			Magnet Chimney Platform Installation	5 days	Thu 5/31/29	Wed 6/6/29	30	C								
32			Magnet Cryo Chimney Installation (On Magnet Side)	120 days	Thu 6/7/29	Fri 11/30/29	31	Ren								
Project: EPIC Final Installation S Date: Fri 5/30/25			Task		Project Summary		Manual Task		Start-only		Deadline					
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Page 1																

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33			Magnet Side Cryo Jumper Header Installation	20 days	Mon 12/3/29	Tue 1/8/30	32	Rbrto								
34			Put Cable Trays on Barrel East and West	10 days	Thu 5/31/29	Wed 6/13/29	30	C								
35			Cabling Barrel HCAL Detectors	30 days	Thu 6/14/29	Fri 7/27/29	34	MT								
36			Attach Platforms (North and South)	5 days	Mon 12/3/29	Fri 12/7/29	35,32	MT								
37			Roll into IR	1 day	Mon 12/10/29	Mon 12/10/29	36,89,108	MT								
38			Magnet Mapper and Mounting Mechanism READY	0 days	Mon 12/10/29	Mon 12/10/29	37	Ren,ME BNL								
39			Prep work in IR (Constructing Cryo Connections) + Power Bridge Installation	15 days	Tue 12/11/29	Wed 1/9/30	37	MT								
40			Safety Walkthrough	1 day	Thu 1/10/30	Thu 1/10/30	39									
41			Prep time to address safety items	10 days	Fri 1/11/30	Fri 1/25/30	40	Ren,Rbrto								
42			Cooldown and Commisioning of Magnet	15 days	Mon 1/28/30	Fri 2/15/30	41	Rbrto								
43			Magnet Mapping	45 days	Mon 2/18/30	Fri 4/19/30	42	Rbrto,Ren								
44			Prep Work to Roll Out	5 days	Mon 4/22/30	Fri 4/26/30	43	MT								
45			Roll out into Assembly Hall	2 days	Mon 4/29/30	Tue 4/30/30	44	MT								
46			Prep Work in Assembly Hall	2 days	Wed 5/1/30	Thu 5/2/30	45	MT								
47			Barrel EMCAL Installation Tooling and Platform Setup	5 days	Fri 5/3/30	Thu 5/9/30	46	MT,R								
48			Barrel EMCAL Assembly and Installation	40 days	Fri 5/10/30	Tue 7/9/30	47	MT								
49			Barrel EMCAL Tooling Removal	5 days	Wed 7/10/30	Tue 7/16/30	48	MT,R								
50			Astropix Installation + Inner Sector Box Installation	6 days	Wed 7/17/30	Wed 7/24/30	49	MT								
51			Barrel EMCAL Final Cabling+Cooling	20 days	Thu 7/25/30	Wed 8/21/30	50	MT								
52			Barrel EMCAL Testing	10 days	Thu 8/22/30	Thu 9/5/30	51	Scientist,Post-D								
53			Barrel EMCAL Platform Removal (Done after MPGD bars installation)	3 days	Fri 9/6/30	Tue 9/10/30	52	C								
54			DIRC Installation	18 days	Wed 9/11/30	Fri 10/4/30	53	MT								
55			Outer MPGD Installation	10 days	Mon 10/7/30	Fri 10/18/30	54	MT								
56			DIRC and MPGD Testing	5 days	Mon 10/21/30	Fri 10/25/30	55	Scientist,Post-D								
57			Cabling DIRC+ Outer MPGDs	5 days	Mon 10/28/30	Fri 11/1/30	56	MT								
58			Cooling DIRC +Outer MPGDs	15 days	Mon 11/4/30	Tue 11/26/30	57	MT								
59			Inner Detectors + Beam Pipe Assembly	60 days	Fri 11/29/30	Wed 3/5/31	58	MT								
60			Inner Detectors + Beam Pipe Installation Platform	5 days	Thu 3/6/31	Wed 3/12/31	59	MT,R,C								
61			Inner Detectors + Beam Pipe Installation	5 days	Thu 3/13/31	Wed 3/19/31	60	MT,R								
62			Cabling + Cooling Installation for Inner Detector	30 days	Thu 3/20/31	Wed 4/30/31	61	MT								
63			Testing Inner Detectors	10 days	Thu 5/1/31	Wed 5/14/31	62	Scientist,Post-D								
64			dRICH Platform and Tooling Installation	5 days	Thu 5/15/31	Wed 5/21/31	63	MT,R								
65			dRICH Detector Installation	5 days	Thu 5/22/31	Thu 5/29/31	64	MT								
66			dRICH Testing	10 days	Fri 5/30/31	Thu 6/12/31	65	Scientist,Post-D								
67			dRICH Platform Removal	2 days	Fri 5/30/31	Mon 6/2/31	65	C								
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Page 2																

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68			dRICH Cabling+Cooling	30 days	Tue 6/3/31	Wed 7/16/31	67	MT								
69			pfRICH and EEEMCAL Platform Installation	4 days	Fri 5/30/31	Wed 6/4/31	65	C								
70			pfRICH Detector	5 days	Thu 6/5/31	Wed 6/11/31	69	MT								
71			EEEMCAL Detector	5 days	Thu 6/12/31	Wed 6/18/31	70	MT								
72			pFRICH and EEEMCAL Cabling+Cooling	30 days	Fri 6/20/31	Fri 8/1/31	71	MT								
73			pfRICH and EEEMCAL Testing	10 days	Mon 8/4/31	Fri 8/15/31	72	Scientist,Post-D								
74			EEEMCAL and pfRICH Platform Removal	2 days	Mon 8/18/31	Tue 8/19/31	73	C								
75			Hadron Endcap Assembly/Installation	464 days	Mon 10/2/28	Fri 8/23/30										
76			Endcap Flux Return Steel Subassemblies Transportation to Bldg 1006 IR	10 days	Mon 10/2/28	Fri 10/13/28	13	R								
77			Endcap Base Rigging in Position	2 days	Mon 10/2/28	Tue 10/3/28	13	R								
78			End Cap Base	5 days	Mon 10/2/28	Fri 10/6/28	13	MT								
79			Moving Mechanism Installation and Testing	5 days	Mon 10/9/28	Fri 10/13/28	78	MT								
80			Flux Return Steel Structures Rigging	5 days	Mon 10/16/28	Fri 10/20/28	79	R								
81			Flux Return Steel Structures Installation	10 days	Mon 10/16/28	Fri 10/27/28	79	MT								
82			Oculus Plate Installation	2 days	Mon 10/30/28	Tue 10/31/28	81	R								
83			Oculus Plate Installation	10 days	Mon 10/30/28	Fri 11/10/28	81	MT								
84			EMCAL Support Plate Rigging	2 days	Mon 11/13/28	Tue 11/14/28	83,82	R								
85			EMCAL Support Plate Installation	5 days	Mon 11/13/28	Fri 11/17/28	83,82	MT								
86			HCAL Tower Transportation to Bldg 1006 IR	20 days	Mon 11/20/28	Wed 12/20/28	85,84	R								
87			HCAL Detector Installation (12 towers per day)	100 days	Mon 11/20/28	Tue 4/24/29	85,84	MT								
88			Flux Return Steel Top Half Rigging	5 days	Wed 4/25/29	Tue 5/1/29	87	R								
89			Flux Return Steel Top Half Installation	10 days	Wed 5/2/29	Tue 5/15/29	88	MT								
90			Cabling HCAL Detector	30 days	Wed 5/1/30	Wed 6/12/30	89,45,88	MT								
91			Testing HCAL	10 days	Thu 6/13/30	Thu 6/27/30	90	Scientist,Post-D								
92			EMCAL Detector Installation (30 modules per day)	40 days	Fri 6/28/30	Fri 8/23/30	91	MT								
93			Cabling EMCAL Detector	5 days	Fri 6/28/30	Fri 7/5/30	91,112	MT								
94			Testing EMCAL	10 days	Mon 7/8/30	Fri 7/19/30	93	Scientist,Post-D								
95			Install EMCAL Light Tight Cover	5 days	Thu 2/7/30	Wed 2/13/30	94	MT								
96			Lepton/Electron Endcap Assembly/Installation	274 days	Wed 5/16/29	Thu 6/27/30										
97			Endcap Flux Return Steel Subassemblies Transportation to Bldg 1006 IR	10 days	Wed 5/16/29	Wed 5/30/29	89	R								
98			Endcap Base Rigging in Position	1 day	Wed 5/16/29	Wed 5/16/29	89	R								
99			End Cap Base	5 days	Wed 5/16/29	Tue 5/22/29	89	MT								
100			Moving Mechanism Installation and Testing	5 days	Wed 5/23/29	Wed 5/30/29	99	MT								
101			Flux Return Steel Structures Rigging	5 days	Thu 5/31/29	Wed 6/6/29	100	R								
102			Flux Return Steel Structures Installation	10 days	Thu 5/31/29	Wed 6/13/29	100	MT								
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Page 3																

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103			Oculus Plate Installation	2 days	Thu 6/14/29	Fri 6/15/29	102	R								
104			Oculus Plate Installation	10 days	Thu 6/14/29	Thu 6/28/29	102	MT								
105			Flux Return Steel Plate Rigging	2 days	Fri 6/29/29	Mon 7/2/29	103,104	R								
106			Flux Return Steel Plate Installation	5 days	Fri 6/29/29	Fri 7/6/29	103,104	MT								
107			Flux Return Steel Top Half Rigging	5 days	Mon 7/9/29	Fri 7/13/29	106	R								
108			Flux Return Steel Top Half Installation	10 days	Mon 7/16/29	Fri 7/27/29	107	MT								
109			HCAL Transportation to Bldg 1006 IR	10 days	Mon 7/9/29	Fri 7/20/29	105,106	R								
110			HCAL Detector Installation	100 days	Mon 7/9/29	Fri 11/30/29	105,106	MT								
111			Cabling HCAL Detector	30 days	Wed 5/1/30	Wed 6/12/30	45,107,108	MT								
112			Testing HCAL	10 days	Thu 6/13/30	Thu 6/27/30	111	Scientist,Post-D								



Project: EPIC Final Installation S
Date: Fri 5/30/25

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress