

ID	Task Name	Work Days	Start	Finish	Predecessors	% Complete	Gantt Chart										
							17	19	21	23	25	27	29	31	2	Qtr 2, 2	April 20
1	NPS Mechanical Installation	80 days	Mon 3/20/23	Fri 7/7/23		31%											
2	Beam Off	1 day	Mon 3/20/23	Mon 3/20/23		100%											
3	Radiation cool down period - Before Target work	6 days	Tue 3/21/23	Tue 3/28/23	2	100%											
4	Target removal Ca-40 Bagged	1 day	Wed 3/29/23	Wed 3/29/23	3	100%											
5	Rotated HMS to largest angle, SHMS to smallest angle	0.5 days	Tue 3/21/23	Tue 3/21/23	2	100%											
6	SHMS Shield Hut roof block removed for modifying	0.5 days	Tue 3/21/23	Tue 3/21/23	5	100%											
7	Rotate SHMS to largest angle	0.5 days	Wed 3/22/23	Wed 3/22/23	6	100%											
8	Transport Magnet to hall (May be done prior to SAD-23)	2 days	Mon 3/20/23	Tue 3/21/23		100%											
9	Fiducialize NPS Magnet	1 day	Mon 3/20/23	Mon 3/20/23		50%											
10	DS Beamline Removal & Pivot cleanup	2 days	Thu 3/30/23	Fri 3/31/23	4	100%											
11	SHMS Shield Hut roof block modifications-as tech pool is available	30 days	Wed 3/22/23	Tue 5/2/23	6	20%											
12	HB Removal	25 days	Mon 3/20/23	Fri 4/21/23		100%											
13	Survey as found HB, Q1, Q2 and Q3 to establish Construction Coord system Do not move Spectrometers until Survey studies are completed	7 days	Mon 10/24/22	Fri 4/28/23		100%											
14	Target Platform Re-enforcement Install	7 days	Mon 4/10/23	Tue 4/18/23		0%											
15	Sweeper Magnet Slider Plate Install	2 days	Wed 4/19/23	Thu 4/20/23	14	0%											
16	Sweeper Magnet Slider Plate Alignment	2 days	Fri 4/21/23	Mon 4/24/23	15	0%											
17	Sweeper Magnet Support Installation to magnet	2 days	Tue 4/25/23	Wed 4/26/23	16	0%											
18	Move cables to ESB (Techs)	1 day	Mon 4/24/23	Mon 4/24/23		0%											
19	Target work Phase 1	6 days	Thu 4/13/23	Thu 4/20/23		0%											
20	Target work Phase 2 and aligned within chamber.	6 days	Mon 5/1/23	Mon 5/8/23		0%											
21	Crane Sweeper Magnet onto SHMS Platform	2 days	Tue 5/9/23	Wed 5/10/23	20	0%											
22	Install Cable tray inside SHMS Hut	14 days	Tue 4/25/23	Fri 5/12/23	18	0%											
23	Detector Platform, stairs, handrails Installation	4 days	Wed 4/19/23	Mon 4/24/23	14	10%											
24	Detector Rail main sections install	3 days	Tue 4/25/23	Thu 4/27/23	23	0%											
25	Detector Rail main sections Survey / Alignment	3 days	Fri 4/28/23	Tue 5/2/23	24	0%											
26	Pressure/Leak test coolant lines of Detector	0.5 days	Tue 5/2/23	Tue 5/2/23		0%											
27	Move Detector, Cables bundles, HV cables, and racks into Hall	2 days	Tue 5/2/23	Thu 5/4/23	26	0%											
28	Fiducialize Detector in Hall C on floor	2 days	Thu 5/4/23	Mon 5/8/23	27	0%											
29	Survey and align Sweeper magnet	3 days	Mon 5/8/23	Thu 5/11/23	28	0%											

ID	Task Name	Work Days	Start	Finish	Predecessors	% Complete	Qtr 2, 2023									
							17	19	21	23	25	27	29	31	2	
30	Detector Installation onto platform (no cable hook up)	2 days	Mon 5/8/23	Wed 5/10/23	28	0%										
31	Move Detector towards pivot and secure in place for cable hookup	1 day	Wed 5/10/23	Thu 5/11/23	30	0%										
32	Mount and align rails section used in transporting detector	2 days	Thu 5/11/23	Mon 5/15/23	31	0%										
33	Mount Cable Carrying Cart to rails	2 days	Mon 5/15/23	Wed 5/17/23	32	0%										
34	Cabling Tray and Support Installation	4 days	Thu 5/11/23	Wed 5/17/23	31	0%										
35	Cable layout in trays and on deck	5 days	Wed 5/17/23	Wed 5/24/23	34	0%										
36	Cooling lines and cooler installed	4 days	Wed 5/17/23	Tue 5/23/23	34	0%										
37	Cable connections Calorimeter/Patch Panels/Shield Hut	10 days	Wed 5/17/23	Wed 5/31/23	34	0%										
38	Detector cooling connections made up	2 days	Wed 5/31/23	Fri 6/2/23	37	0%										
39	Detector Survey / Alignment	3 days	Wed 5/31/23	Mon 6/5/23	37	0%										
40	NPS Magnet PSU Install	15 days	Thu 5/11/23	Wed 5/31/23	21	5%										
60	NPS Corrector Coil Upstream PSU Install	127 days	Tue 1/3/23	Wed 6/28/23		3%										
82	Install Shield wall on SHMS lower deck	5 days	Thu 6/1/23	Wed 6/7/23	40	0%										
83	Downstream Corrector Magnet PSU Install	173 days	Thu 9/22/22	Mon 5/22/23		17%										
96	Install Down Stream Beam line Configuration A	23 days	Tue 5/23/23	Thu 6/22/23		0%										
104	Cable hook up and checkout ??	23 days	Wed 5/31/23	Mon 7/3/23	37	0%										
105	Install doghouse on top of SHMS detector hut roof to cover cable penetration	3 days	Wed 5/31/23	Mon 6/5/23	37	0%										
106	Field Map NPS magnet on SHMS (Stray Fields)	3 days	Thu 6/29/23	Mon 7/3/23	60	0%										
107	Survey Studies of detector as various positions and Spectrometers angles	3 days	Mon 7/3/23	Thu 7/6/23	104	0%										
108	SHMS HMS Angle verification/check out	1 day	Thu 7/6/23	Fri 7/7/23	107	0%										
109	NPS Mechanically Ready	1 day	Thu 7/6/23	Fri 7/7/23	107	0%										

April 2023
April 2023
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
May 2023
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
June 2023
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
Qtr 3, July 2023
1



