

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	2020							Half 1, 2021					Half 2, 2021					Half 1, 2022					Half 2, 2022					Half 1, 2023							
							A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1		<b>Hall D Installation</b>	<b>686 days</b>	<b>Mon 9/21/20</b>	<b>Wed 5/31/23</b>		[Gantt bar from 9/21/20 to 5/31/23]																																		
2		<b>SAD 2020-2021</b>	<b>96 days</b>	<b>Mon 9/21/20</b>	<b>Thu 2/11/21</b>		[Gantt bar from 9/21/20 to 2/11/21]																																		
10		<b>CPP Install</b>	<b>302 days</b>	<b>Mon 9/21/20</b>	<b>Tue 11/30/21</b>		[Gantt bar from 9/21/20 to 11/30/21]																																		
11		<b>Component Design</b>	<b>200 days</b>	<b>Mon 9/21/20</b>	<b>Wed 7/7/21</b>		[Gantt bar from 9/21/20 to 7/7/21]																																		
12		<b>support stand</b>	<b>65 days</b>	<b>Mon 9/21/20</b>	<b>Tue 12/22/20</b>		[Gantt bar from 9/21/20 to 12/22/20]																																		
13		Finalize requirements	25 days	Mon 9/21/20	Fri 10/23/20		[Gantt bar from 9/21/20 to 10/23/20]																																		
14		Complete 3D model	10 days	Mon 10/26/20	Fri 11/6/20	13	[Gantt bar from 10/26/20 to 11/6/20]																																		
15		Complete drawings	19 days	Mon 11/9/20	Mon 12/7/20	14	[Gantt bar from 11/9/20 to 12/7/20]																																		
16		Complete Analysis	30 days	Mon 11/9/20	Tue 12/22/20	14	[Gantt bar from 11/9/20 to 12/22/20]																																		
17		Steel Absorbers	29 days	Tue 12/8/20	Mon 1/25/21	15	[Gantt bar from 12/8/20 to 1/25/21]																																		
18		FCAL platform mods	14 days	Tue 1/26/21	Fri 2/12/21	17	[Gantt bar from 1/26/21 to 2/12/21]																																		
19		Ground rail syst.	26 days	Mon 2/15/21	Mon 3/22/21	18	[Gantt bar from 2/15/21 to 3/22/21]																																		
20		Alignment system	14 days	Tue 3/23/21	Fri 4/9/21	19	[Gantt bar from 3/23/21 to 4/9/21]																																		
21		Static lead Absorber	20 days	Mon 4/12/21	Fri 5/7/21	20	[Gantt bar from 4/12/21 to 5/7/21]																																		
22		Dark room Mod	10 days	Mon 5/10/21	Fri 5/21/21	21	[Gantt bar from 5/10/21 to 5/21/21]																																		
23		FCAL Platform Stairs mod	13 days	Mon 5/24/21	Wed 6/9/21	22	[Gantt bar from 5/24/21 to 6/9/21]																																		
24		FCAL Platform attachment	10 days	Thu 6/10/21	Wed 6/23/21	23	[Gantt bar from 6/10/21 to 6/23/21]																																		
25		adjustable lead absorber	10 days	Thu 6/24/21	Wed 7/7/21	24	[Gantt bar from 6/24/21 to 7/7/21]																																		
26		<b>Component Procurements</b>	<b>193 days</b>	<b>Mon 11/9/20</b>	<b>Mon 8/16/21</b>		[Gantt bar from 11/9/20 to 8/16/21]																																		
27		Off the shelf components	50 days	Mon 11/9/20	Wed 1/27/21	14	[Gantt bar from 11/9/20 to 1/27/21]																																		
28		Support Stand	99 days	Wed 12/23/20	Tue 5/18/21	12	[Gantt bar from 12/23/20 to 5/18/21]																																		
29		Steel Absorbers	70 days	Tue 1/26/21	Mon 5/3/21	17	[Gantt bar from 1/26/21 to 5/3/21]																																		
30		Ground rail syst.	40 days	Tue 3/23/21	Mon 5/17/21	19	[Gantt bar from 3/23/21 to 5/17/21]																																		
31		Alignment system	42 days	Mon 4/12/21	Tue 6/8/21	20	[Gantt bar from 4/12/21 to 6/8/21]																																		
32		Static lead Absorber	14 days	Mon 5/10/21	Thu 5/27/21	21	[Gantt bar from 5/10/21 to 5/27/21]																																		
33		Dark room Mod	7 days	Mon 5/24/21	Tue 6/1/21	22	[Gantt bar from 5/24/21 to 6/1/21]																																		
34		FCAL Platform stairs mod	9 days	Thu 6/10/21	Tue 6/22/21	23	[Gantt bar from 6/10/21 to 6/22/21]																																		
35		FCAL Platform attachment	28 days	Thu 6/24/21	Mon 8/2/21	24	[Gantt bar from 6/24/21 to 8/2/21]																																		
36		adjustable lead absorber	28 days	Thu 7/8/21	Mon 8/16/21	25	[Gantt bar from 7/8/21 to 8/16/21]																																		
37		<b>Installation</b>	<b>205 days</b>	<b>Mon 2/15/21</b>	<b>Tue 11/30/21</b>		[Gantt bar from 2/15/21 to 11/30/21]																																		
38		Modify FCAL Platform	13 days	Mon 2/15/21	Wed 3/3/21	18,81	[Gantt bar from 2/15/21 to 3/3/21]																																		
39		install floor rails	5 days	Tue 5/18/21	Mon 5/24/21	30	[Gantt bar from 5/18/21 to 5/24/21]																																		
40		Install FCAL platform stairs mod	5 days	Wed 6/23/21	Tue 6/29/21	34	[Gantt bar from 6/23/21 to 6/29/21]																																		
41		Modify Dark room	16 days	Mon 10/4/21	Mon 10/25/21	22,80	[Gantt bar from 10/4/21 to 10/25/21]																																		
42		install support stand	9 days	Tue 10/26/21	Fri 11/5/21	28,40,80,27,4:	[Gantt bar from 10/26/21 to 11/5/21]																																		
43		<b>Assemble 1st section of detector on floor</b>	<b>7 days</b>	<b>Mon 10/4/21</b>	<b>Tue 10/12/21</b>		[Gantt bar from 10/4/21 to 10/12/21]																																		
44		Assemble	3 days	Mon 10/4/21	Wed 10/6/21	80	[Gantt bar from 10/4/21 to 10/6/21]																																		
45		Fiducialize	1 day	Thu 10/7/21	Thu 10/7/21	44	[Gantt bar from 10/7/21 to 10/7/21]																																		

Project: SAD2020-CPP&FCAL2\_ Date: Thu 12/3/20

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Gantt Chart																																		
							f 2, 2020					Half 1, 2021			Half 2, 2021				Half 1, 2022			Half 2, 2022			Half 1, 2023																
							A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
46	➔	Test all systems	3 days	Fri 10/8/21	Tue 10/12/21	45																																			
47	➔	Install 1st section of detector	3 days	Wed 10/13/21	Fri 10/15/21	43																																			
48	➔	Align Stand w/detector	2 days	Mon 10/18/21	Tue 10/19/21	47																																			
49	➔	Assemble 2nd section of detector on floor	6 days	Mon 10/18/21	Mon 10/25/21	47																																			
50	➔	Install 2nd section of detector	3 days	Tue 10/26/21	Thu 10/28/21	49																																			
51	➔	Assemble 3rd section of detector on floor	6 days	Fri 10/29/21	Fri 11/5/21	50																																			
52	➔	Install 3rd section of detector	3 days	Mon 11/8/21	Wed 11/10/21	51																																			
53	➔	Final Survey	2 days	Thu 11/11/21	Fri 11/12/21	52																																			
54	➔	Test all systems	10 days	Mon 11/15/21	Tue 11/30/21	53																																			
55	➔	<b>FCAL II Install</b>	<b>506 days</b>	<b>Thu 6/10/21</b>	<b>Wed 5/31/23</b>																																				
80	➤	Hall Opens 2021	1 day	Fri 10/1/21	Fri 10/1/21																																				
81	➤	Hall Opens 2020	1 day	Mon 9/21/20	Mon 9/21/20																																				
82	➤	Hall Opens 2022	1 day	Mon 9/26/22	Mon 9/26/22																																				

9/21

10/1

Project: SAD2020-CPP&FCAL2\_  
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Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			