

Hall-D Photon Beam Construction and Installation Schedule

Activity Name	Duration (Work Days)	Start Date	Finish Date	Predecessors	2009												2010												2011												2012												2013												2014			
					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	J	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
1 External Constraints:	1,118.00	1/4/10	4/17/14		[Gantt bar from Jan 2010 to Apr 2014]																																																															
2 Hall-D RFE (Ready-For-Equipment)	0.00	7/27/10	7/27/10		[Green diamond marker]																																																															
3 Hall-D crane ready for use	0.00	8/27/10	8/27/10		[Green diamond marker]																																																															
4 Survey colli.Cave position wall monuments	10.00	8/27/10	9/9/10	3	[Blue square marker]																																																															
5 Tagger area RFE (Ready-For-Equipment)	0.00	8/10/11	8/10/11		[Green diamond marker]																																																															
6 Survey tagger hall position	10.00	8/10/11	8/23/11	5	[Blue square marker]																																																															
7 LCW available Tagger Hall	0.00	8/10/11	8/10/11		[Green diamond marker]																																																															
8 Hall-D HVAC	0.00	8/10/11	8/10/11		[Green diamond marker]																																																															
9 Install upstream platform #1 Hall-D	21.00	1/5/11	2/2/11		[Purple bar]																																																															
10 Start BCAL Installation	0.00	8/8/12	8/8/12		[Green diamond marker]																																																															
11 Short Shutdown	131.00	5/13/11	11/11/11		[Red bar]																																																															
12 Electron beam dump construction	211.00	8/10/11	5/30/12		[Red bar]																																																															
13 Long Shutdown	261.00	5/14/12	5/13/13		[Red bar]																																																															
14 Funding available FY10	0.00	1/4/10	1/4/10		[Red diamond marker]																																																															
15 Funding available FY11	0.00	1/3/11	1/3/11		[Red diamond marker]																																																															
16 Funding available FY12	0.00	1/2/12	1/2/12		[Red diamond marker]																																																															
17 Funding available FY13	0.00	2/4/13	2/4/13		[Red diamond marker]																																																															
18 Interlock set to tagger hall	0.00	4/17/14	4/17/14		[Green diamond marker]																																																															
19 Interlock set to Hall-D	0.00	4/17/14	4/17/14		[Green diamond marker]																																																															
20																																																																				
21 General:	134.00	1/2/12	7/5/12		[Gantt bar from Jan 2012 to Jul 2012]																																																															
22 Make drawing of location of stands, gantry, and survey marks (Tgr Hall)																																																																				
23 Make drawing of location of stands, hoists, and survey marks (Colli.Cave Hall)																																																																				
24 Make layout of survey line of sights (Tgr Hall)																																																																				
25 Make layout of survey line of sights (Colli.Cave)																																																																				
26 Survey location of stands, roof beams, cable tray (Colli. cave)	5.00	1/2/12	1/6/12	4, 16	[Blue square marker]																																																															
27 Drill holes for cable trays, roof beams, stands (Colli.Cave)	5.00	1/9/12	1/13/12	26	[Blue square marker]																																																															
28 Purchase overhead rigging (Colli.Cave)	90.00	1/2/12	5/4/12	16	[Blue bar]																																																															
29 Install roof beams and hoists (Colli.Cave)	5.00	5/7/12	5/11/12	27, 28	[Blue square marker]																																																															
30 Connect power to hoists	3.00	5/14/12	5/16/12	29	[Blue square marker]																																																															
31 Install cable trays (Colli.Cave)	5.00	5/17/12	5/23/12	27, 30	[Blue square marker]																																																															
32 Colli. Cave ready for equipment installation	0.00	5/23/12	5/23/12	31	[Green diamond marker]																																																															
33 Survey location of stands, gantry, cable tray (tagger hall)	3.00	5/31/12	6/4/12	6, 12	[Blue square marker]																																																															
34 Drill holes for cable trays, stands (Tagger Hall)	5.00	6/5/12	6/11/12	33	[Blue square marker]																																																															
35 Install gantry crane (Tagger hall)	10.00	6/12/12	6/25/12	34	[Blue square marker]																																																															
36 Connect power to gantry crane (Tagger hall)	3.00	6/26/12	6/28/12	35	[Blue square marker]																																																															
37 Install cable trays (Tagger hall)	5.00	6/29/12	7/5/12	36	[Blue square marker]																																																															

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						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	J	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
76	SOW drawings and PR prepared	262.00	12/31/08	12/31/09																																																																	
77	Place request for Bids	0.00	12/31/09	12/31/09	76																																																																
78	Tendering (Bids)	65.00	1/1/10	4/1/10	77																																																																
79	Place magnet and Vac chamber order	0.00	4/1/10	4/1/10	78																																																																
80	Tagger magnet design at company	131.00	4/2/10	10/1/10	79																																																																
81	Design review	21.00	10/4/10	11/1/10	80																																																																
82	Design approved for manufacture	0.00	11/1/10	11/1/10	81																																																																
83	Material procurement by company	130.00	11/2/10	5/2/11	81																																																																
84	Manufacture	284.00	5/3/11	6/1/12	83																																																																
85	Proc tagr mag. pow. supply	241.00	5/2/11	4/2/12																																																																	
86	Acceptance test and quality control at company	5.00	6/4/12	6/8/12	84																																																																
87	Delivery	16.00	6/11/12	7/2/12	86																																																																
88	Tagger magnet at JLAB	0.00	7/2/12	7/2/12	87																																																																
89	Design Tagger exit window	133.00	4/30/12	10/31/12																																																																	
90	Proc foil for tagger exit window	21.00	1/5/12	2/2/12																																																																	
91	Prototype and test window design	53.00	11/1/12	1/14/13																																																																	
92	Build tagger exit window	47.00	1/15/13	3/20/13																																																																	
93	Magnet installation:	19.00	7/3/12	7/27/12																																																																	
94	Install tagger magnet pow supply	10.00	7/3/12	7/16/12	88																																																																
95	Bring vac. chamber into hall	0.50	7/3/12	7/3/12	88																																																																
96	Install tagger magnet stand	0.50	7/3/12	7/3/12	95																																																																
97	Install lower half of magnet	2.00	7/4/12	7/5/12	96																																																																
98	Survey + align pole tip of lower half	3.00	7/6/12	7/10/12	97																																																																
99	Install vacuum chamber	1.00	7/11/12	7/11/12	98																																																																
100	Install upper half of magnet	2.00	7/12/12	7/13/12	99																																																																
101	Blank off + leak chase vacuum chamber	1.00	7/16/12	7/16/12	100																																																																
102	Check alignment - survey top of magnet	3.00	7/17/12	7/19/12	101																																																																
103	Remove Vac Chamber + re-assemble for mapping	1.00	7/20/12	7/20/12	102																																																																
104	Connect LCW	5.00	7/23/12	7/27/12	103																																																																
105	Connect power	5.00	7/23/12	7/27/12	103																																																																
106	NMR probes:	200.00	1/2/12	10/5/12																																																																	
107	Purchase NMR probes and electronics	20.00	1/2/12	1/27/12	16																																																																
108	Purchase slow control modules	90.00	1/30/12	6/1/12	107																																																																
109	Integrate in readout	90.00	6/4/12	10/5/12	108																																																																
110	Design and manufacture housing	100.00	1/30/12	6/15/12	107																																																																
111	Order tagger magnet pow sup controls	40.00	1/2/12	2/24/12	16																																																																

