1 Tag	Activity Name	Duration	Start Date	Start Date	Start Data	Start Data	Start Data	Finish Data	%	D		Au	g 14				Sept 14			Oct 14			
		(Days)	Start Date	Finish Date	Complete	Predecessors	3	10	17	24	31	7	14	21	28	5	12	19					
	gger	55.00	8/6/14	10/21/14	3%																		
<b>2</b> Ta	agger door shielding installed	33.00	9/4/14	10/20/14	0%																		
3 /	Receive first 20 blocks	1.00	9/4/14	9/4/14	0%						-												
4 /	Install blocks to finish beam dump	2.00	9/5/14	9/8/14	0%	3																	
5 /	Install blocks to shield racks under Tagger	1.00	9/9/14	9/9/14	0%	4																	
	Start installation of outer wall with remaining blocks	1.00	9/10/14	9/10/14	0%	5																	
/	Install radiation detectors in Electronic racks to test for radiation levels	2.00	9/11/14	9/12/14	0%	6																	
8 /	Receive 2nd 20 blocks	1.00	9/16/14	9/16/14	0%	3FS+7.00																	
9 (	Continue installation of outer wall	2.00	9/17/14	9/18/14	0%	8																	
10 /	Receive 3rd set of blocks	1.00	9/26/14	9/26/14	0%	8FS+7.00																	
11	Finish outer wall and start installation of inter wall	2.00	9/29/14	9/30/14	0%	10																	
12 /	Receive 4th set of blocks	1.00	10/8/14	10/8/14	0%	10FS+7.00																	
13	Finish installation of inter wall	2.00	10/9/14	10/10/14	0%	12																	
14 /	Receive last set of blocks	1.00	10/20/14	10/20/14	0%	12FS+7.00											*	3					
<b>15</b> Co	omplete installation	1.00	10/21/14	10/21/14	0%	14												•					
<b>16</b> Ins	stall cable tray for fiber optic run	1.00	8/6/14	8/6/14	100%		P																
<b>17</b> Mi	icroscope	34.00	8/18/14	10/2/14	0%																		
18	Assemble Microscope suppoert stand	2.00	8/18/14	8/19/14	0%																		
19 /	Receive microscope	1.00	9/4/14	9/4/14	0%						-												
20 /	Assemble Microscope in ESB and test	10.00	9/5/14	9/18/14	0%	19																	
21 /	Fiducialize detector	3.00	9/19/14	9/23/14	0%	20																	
22 /	Microscope installed and then removed	7.00	9/24/14	10/2/14	0%	21																	
	agger Beam line under vacuum - all pumps and valves working and tied into system	26.00	8/6/14	9/10/14	10%																		
24	Receive 4 5/8 X 4 1/2 spool piece	1.00	9/2/14	9/2/14	0%						9												
	Bleed-up Tagger vacuum and photon beam line	0.25	9/3/14	9/3/14	0%	24																	
26	Install electron beam line	1.00	9/10/14	9/10/14	0%	5, 25						**											
21	Install pump extension and turbo pump on Tagger vacuum chamber	1.00	9/3/14	9/4/14	0%	25																	
28	Pump down and leak check	2.00	9/4/14	9/8/14	0%	27																	
	Goni bell jar on	1.00	8/6/14	8/6/14	100%																		
	Install radiator foils	1.00	8/29/14	8/29/14	0%					_													
31	Amorphous radiator operational	1.00	9/1/14	9/1/14	0%	30				$\overline{+}$	3												
32	Pump down Goni and radiator section	2.00	9/2/14	9/3/14	0%	29, 31																	
<b>33</b> Be	eam line/components 2B aligned	3.00	9/4/14	9/8/14	0%	32																	
34 Ele	ectronic crates removed (Fernando)	2.00	9/8/14	9/9/14	0%																		
35 Hall	I	42.25	8/6/14	10/3/14	36%						<u> </u>												
							3	10	17	24	31	7	14	21	28	5	12	19					

	A 11 11 A	Duration		Stort Data Finish Data %				Αι	ıg 14				Sept 14		Oct 14				
	Activity Name	(Days)	Start Date	Finish Date	Complete	Predecessors	3	10	17	24	31	7	14	21	28	5	12	19	
36	Solenoid magnet ready to go	14.00	8/6/14	8/25/14	100%														
37	Install and test addition beacons for Solenoid	1.00	8/26/14	8/26/14	0%	36				Ť									
38	Set second Collimator to maximum opening	7.50	8/11/14	8/20/14	63%			<b>V</b>											
39	Remove beam line US of Collimator	0.20	8/11/14	8/11/14	100%			Ī											
40	Remove upstream flange on Collimator	0.10	8/11/14	8/11/14	100%	39		1											
41	Remove All tubes in Collimator	0.10	8/11/14	8/11/14	100%	40		Ť											
42	Reinstall upstream flange	0.20	8/11/14	8/11/14	100%	41		1											
43	Reinstall Beam Line	0.25	8/11/14	8/11/14	100%	42													
44	Leak check beam line	0.50	8/20/14	8/20/14	0%	43, 54			*										
45	Install Kill Switches	17.00	8/6/14	8/28/14	50%														
46	Install and wire Power Supplies "Kill Switch" box	1.00	8/6/14	8/6/14	100%														
47	Wire Power supplies to Kill Switch box	1.00	8/28/14	8/28/14	0%	36, 46, 64													
48	Pair Convertor installed	18.50	8/11/14	9/4/14	60%			-		T									
49	Fiducialize Pair Converter	3.00	8/11/14	8/13/14	100%														
50	Install device onto stand	1.00	8/14/14	8/14/14	100%	49													
51	Install Microswitch and brackets	1.00	9/2/14	9/2/14	0%						<b>—</b>								
52	Install thin foils onto harp stick	1.00	9/3/14	9/3/14	0%	51													
53	Install/connect to beam line	14.50	8/15/14	9/4/14	50%	52													
54	Fab spool piece from BL valve to PS magnet	3.00	8/15/14	8/19/14	100%	50		<b>*</b>											
55	Install Beam Line valve	1.00	8/20/14	8/20/14	100%	54													
56	Install spool piece	1.00	8/28/14	8/28/14	0%	55, 64													
57	Sweep magnet powered and tested	18.00	8/6/14	8/29/14	45%														
58	Determine current conductor routing and	1.00	8/6/14	8/6/14	100%														
59	Determine conductor size: locate/order conductor	7.00	8/7/14	8/15/14	100%	58													
60	Install current conductors (add "finger-safe sheath in CC)	1.00	8/20/14	8/20/14	75%	59													
61	Fab and install finger guards over conductors	3.00	8/19/14	8/21/14	100%	60													
62	Perform prepower checks on supply	3.00	8/22/14	8/26/14	0%	61													
63	Power the supply and test magnet	3.00	8/27/14	8/29/14	0%	62													
64	Perform PS magnet tests Current versus temp	8.00	8/18/14	8/27/14	0%														
65	PS vacuum system installed	3.00	8/6/14	8/8/14	100%														
66	Build manifold for Turbo pump cart	3.00	8/6/14	8/8/14	100%														
67	Install Slow valve and gauge tree on beam line	1.00	9/4/14	9/5/14	0%						7								
68	Install vacuum line from pump cart to beam line	1.00	9/5/14	9/8/14	0%	67													
69	Cryo Target	5.00	8/11/14	8/15/14	100%														
70	Cool down and test Target and controls	5.00	8/11/14	8/15/14	100%														
71	Warm Target and prepare for removal	1.00	8/18/14	8/18/14	100%	70			7										
72	Crane Target off of Platform and store in Hall	1.00	8/19/14	8/19/14	100%	71			-										
							3	10	17	24	31	7	14	21	28	5	12	19	
							3	10	17	24	31	7	14	21	28	5	12		

		Duration			%			Au	g 14				Sept 14			Oct 14				
	Activity Name	(Days)	Start Date	Finish Date	e Complete	Predecessors	3	10	17	24	31	7	14	21	28	5	12	19		
73	Commissioning target installed	30.25	8/13/14	9/24/14	38%				L			\								
74	Install Cart onto insertion rails	1.00	8/20/14	8/20/14	100%	72														
75	Rough align target to bore	1.00	8/21/14	8/21/14	0%	74														
76	Add Start Counter distro box supports	1.00	8/22/14	8/22/14	100%	75						\								
77	Start Counter install	19.00	8/25/14	9/18/14	0%															
78	Install cables from racks to Distro box	2.00	8/25/14	8/26/14	0%	76				+										
79	Receive Start Counter	1.00	9/4/14	9/4/14	0%						<b>-</b>									
80	Install start counter cables and box	5.00	9/5/14	9/11/14	0%	79						\ .								
81	Cable SC and test	5.00	9/12/14	9/18/14	0%	80														
82	Insert Commissioning target into bore	1.00	9/19/14	9/19/14	0%	81														
83	Install window In beam line US of Commissioning target cart	28.25	8/13/14	9/22/14	92%															
84	Receive flanges from vendor	1.00	8/13/14	8/13/14	100%			3												
85	Machine flanges	8.00	8/14/14	8/25/14	100%	84														
86	Fabricate thin window	0.25	8/26/14	8/26/14	0%	85				Ì										
87	Fab o-rings	0.25	8/26/14	8/26/14	0%	85				-										
88	Install window in flanges	0.25	9/22/14	9/22/14	0%	82, 87														
89	Install beam line and stands from PS to Target cart	1.00	9/22/14	9/23/14	0%	88								T						
90	Pump down beam line	1.00	9/23/14	9/24/14	0%	68, 89														
91	Active collimator installed	18.00	8/25/14	9/17/14	0%															
92	Machine connector screws	1.00	8/25/14	8/25/14	0%					-										
93	Assemble detector	2.00	8/26/14	8/27/14	0%	92														
94	Test Dtector	10.00	8/28/14	9/10/14	0%	93						3								
95	Fiducilize detector	3.00	9/11/14	9/15/14	0%	94														
96	Install device and connect cabling	2.00	9/16/14	9/17/14	0%	95														
97	Beam profiler installed (3 locations)	30.00	8/13/14	9/23/14	0%					i										
98	Receive stand from IU	1.00	8/26/14	8/26/14	0%					Ŷ										
99	Design stands for other two locations	12.00	8/13/14	8/28/14	0%															
100	Fabricate stands for other two locations	10.00	8/29/14	9/11/14	0%	99														
101	Install all three stands	1.00	9/12/14	9/12/14	0%	100														
102	Install profiler	1.00	9/15/14	9/15/14	0%	101														
103	Install, run cables	1.00	9/16/14	9/16/14	0%	102							9							
104	Test Profiler	5.00	9/17/14	9/23/14	0%	103														
105	Pair spec detectors installed	5.00	9/24/14	9/30/14	0%															
106	Receive High Granularity (HG) detectors	1.00	9/24/14	9/24/14	0%									R						
107	Install and rough align HG detectors	3.00	9/25/14	9/29/14	0%	106														
108	Install additional cable tray to support cables above PS power supply	2.00	9/24/14	9/25/14	0%															
109	Align detectors	1.00	9/30/14	9/30/14	0%	107									•					
							3	10	17	24	31	7	14	21	28	5	12	19		

	A stiritu Norre	Duration	0 5 .	Finish Date	%			A	ug 14				Sept 14			Oct 14			
	Activity Name	(Days)	Start Date		Complete	Predecessors	3	10	17	24	31	7	14	21	28	5	12	19	
110	TAC operational	9.00	8/6/14	8/18/14	25%														
111	Motor received and installed	1.00	8/14/14	8/14/14	100%			7											
112	SHV, Signal, and actuator table cables install	1.00	8/6/14	8/6/14	0%		-												
113	System tested	1.00	8/15/14	8/15/14	0%	111, 112													
114	Tac Surveyed	1.00	8/18/14	8/18/14	0%	113			-										
115	FCAL and TOF	25.25	8/29/14	10/3/14	0%						İ								
116	FCAL platform moved/checked -	1.00	8/29/14	8/29/14	0%					-									
117	FCAL stop installed	1.00	9/1/14	9/1/14	0%	116					1								
118	FCAL Beam line under vacuum	1.00	9/26/14	9/26/14	0%														
119	Beam line under vacuum - all pumps and valves working and tied into system	2.00	9/24/14	9/26/14	0%	90													
120	All components aligned in final position	5.00	9/26/14	10/3/14	0%	119													
121	Other	15.00	8/6/14	8/26/14	0%														
122	FCAL Vesda installed	15.00	8/6/14	8/26/14	0%														
123	Gas Shed ODH monitor installed	10.00	8/6/14	8/19/14	0%														
124	Phones in Hall	10.00	8/6/14	8/19/14	0%														
125	Install cable and equipment to turn on Magnetic field signs	3.00	8/6/14	8/8/14	0%														
126	Install Polarimeter Stand	2.50	8/6/14	8/8/14	0%														
127	Drill and set rod	0.25	8/6/14	8/6/14	0%		Ì												
128	install stand and set height	0.25	8/6/14	8/6/14	0%	127	Ī												
129	Survey stand	1.00	8/6/14	8/7/14	0%	128													
130	grount in stand	1.00	8/7/14	8/8/14	0%	129	-												
							3	10	17	24	31	7	14	21	28	5	12	19	