

	WBS	Activity Name	Duration (Days)	Start Date	Finish Date	2014	2015				2016				2017				2018			
						Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth
1	1	Project Management...																				
6	2	Civil Infrastructure	227.00	1/1/15	11/13/15																	
7	2.1	Selective demolition work in existing injector test cave...	107.00	1/1/15	5/29/15																	
12	2.2	Test Cave - Structure, Utilities, Roof ...	227.00	1/1/15	11/13/15																	
20	2.3	Cryogenics...	193.00	1/5/15	9/30/15																	
28	2.4	LCW...	66.00	5/1/15	7/31/15																	
32	3	Personnel Safety System...	44.00	5/1/15	7/1/15																	
35	4	ODH System...	131.00	3/2/15	8/31/15																	
38	5	Accelerator Systems...	262.00	9/1/15	8/31/16																	
71	6	Drive laser...	44.00	3/1/16	4/29/16																	
76	7	RF Systems	166.00	10/1/15	5/19/16																	
77	7.1	HPA...	141.00	10/1/15	4/14/16																	
81	7.2	Klystrons...	67.00	1/25/16	4/26/16																	
84	7.3	2 - 200 watt SS amps for Chopper																				
85	7.4	Low level RF control	89.00	11/2/15	3/3/16																	
86	7.5	Master oscillator	88.00	11/9/15	3/9/16																	
87	7.6	Interfaces, interlocks & cabling	44.00	3/21/16	5/19/16																	
88	8	Controls	382.00	9/1/15	2/15/17																	
89	8.1	Software	163.00	11/2/15	6/15/16																	
90	8.2	Machine protection	77.00	6/1/16	9/15/16																	
91	8.3	Cryogenic interface & control	131.00	9/1/15	3/1/16																	
92	8.4	Diagnostics controls	120.00	9/1/16	2/15/17																	
93	9	Commissioning	190.00	5/2/16	1/20/17																	
94	9.1	Gun through buncher	34.00	5/2/16	6/16/16																	
95	9.2	1/4 Cryomodule commissioned	30.00	8/1/16	9/9/16																	
96	9.3	10 MeV beam to Faraday cup	59.00	11/1/16	1/20/17																	
97	10	Experiment installation	60.00	3/10/16	6/1/16																	
98	11	Operations...	783.00	2/1/17	1/31/20																	
						Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth

**Pessimistic Schedule**  
**The test cave & cryo (including ODH system) completed FY15. LLFR & HPA procurements begin in FY16 with deliveries 12 to 16 weeks out. First HDIce operations Q2 FY17 Operations complete Q2 FY20**