

ID	Task Name	Duration	Start	Finish	Predecessors	Constraint	WBS	Resource Names
0	<b>DO Upgrade Schedule</b>	2029 d	2/2/93	2/16/01		As Soon As		
1	Rollout/disassembly	64 w	2/27/96	6/6/97		Start No Ear		
2	<b>PLATFORM PREPARATION</b>	50.8 w	2/3/97	2/11/98		As Soon As		
6								
7	<b>SOLENOID SYSTEM</b>	180.2 w	10/3/94	4/28/98		As Soon As		
20								
21	<b>CENTRAL PRESHOWER</b>	222.2 w	11/6/95	5/2/00		As Soon As		
73								
74	<b>SOLENOID INSTALLATION AND TEST</b>	100.2 w	9/22/97	10/1/99		As Soon As		
110								
111	<b>FIBER TRACKER FABRICATION</b>	258.4 w	7/3/95	9/11/00		As Soon As		
431								
432	<b>VLPC CASSETTE MANUFACTURE</b>	256.6 w	9/15/95	11/13/00		As Soon As		
529								
530	<b>SILICON TRACKER FABRICATION</b>	393.2 w	2/2/93	11/13/00		As Soon As		
874	<i>South Half-Cylinder Complete and Ready to Move to DAB</i>	0 w	8/10/00	8/10/00	857,855	As Soon As		
875	<i>North Half-Cylinder Complete and Ready to Move to DAB</i>	0 w	10/27/00	10/27/00	862,864	As Soon As		
876	<i>M1-Central Silicon Complete</i>	0 w	10/27/00	10/27/00	874,875	As Soon As		
877								
878	<b>TRACKING ELECTRONICS FABRICATION</b>	291.4 w	10/3/94	7/28/00		As Soon As		
913								
914	<b>FIBER TRIGGER ELECTRONICS FABRICATION</b>	318.2 w	10/3/94	2/12/01		As Soon As		
1006								
1007	Design, fabricate tracker installation fixture	8 w	3/23/00	5/18/00	1008SF-4 w	As Soon As f		MEF112[2],MTF112[2],Welder_Day
1008	<i>Install/align fiber tracker in solenoid</i>	2 w	6/16/00	6/29/00	847	As Soon As		MEF112[2],MTF112[4],Align_Day,ICR_North,ICR_South
1009	<i>Hookup fiber tracker -South</i>	4 w	8/16/00	9/13/00	1008,373,2144	As Soon As		MTF112[4],PhysU112[2],PhysF112,ICR_South,Platform[0.5]
1010	Hookup fiber tracker - North	4 w	9/14/00	10/11/00	374FF,1009,2152	As Soon As f		MTF112[4],PhysU112[2],PhysF112,ICR_North,Platform[0.5]
1011	<i>Beam Pipe Inserted Into Fiber Tracker</i>	0 w	6/30/00	6/30/00	1008FS+1 d	As Soon As		
1012	Insert south adapter card and support ring	1 w	9/14/00	9/20/00	1009	As Soon As f		
1013	Install adapter end of silicon high mass cables - South	1 w	9/21/00	9/27/00	1012	As Soon As f		MTF111[2],ETF111[2],EEF111[0.5],PhysF111[0.5],PhysU111[0.5]
1014	Insert north adapter card and support ring	1 w	10/12/00	10/18/00	1010	As Soon As f		
1015	Install adapter end of silicon high mass cables - North	1 w	10/19/00	10/25/00	1014	As Soon As f		MTF111[2],ETF111[2],EEF111[0.5],PhysF111[0.5],PhysU111[0.5]
1016	Commission fiber tracker	16 w	9/28/00	1/25/01	1010SS+2 w,1005,528SS+1 w	As Soon As f		PhysU112[3],PhysF112[3]
1017	Install south half of central silicon in fiber tracker	2 w	9/21/00	10/4/00	874,2144,1012	As Soon As f		MTF111[4],PhysF111[2],Align_Day[0.2],ICR_South
1018	Hookup south half of central silicon	3 w	10/5/00	10/25/00	1017,1012	As Soon As f		MTF111[4],PhysU111[2],PhysF111,EEF115,ETF115,ICR_South
1019	Checkout south half of silicon detector	5 w	10/5/00	11/8/00	1018SS	As Soon As f		PhysU111[3],PhysF111[3],EEF115,ETF115,ICR_South[0.3]
1020	Install/hookup silicon H-disk south	1 w	10/26/00	11/1/00	1018,872FS+1 w	As Soon As f		MTF111[3],PhysU111[2],PhysF111,Align_Day[0.2],ICR_South
1021	<i>South Silicon Hooked Up and Checked Out</i>	0 w	11/1/00	11/1/00	1020	As Soon As		
1022	Install north half of central silicon in fiber tracker	2 w	11/2/00	11/15/00	875,2152,1010,1021	As Soon As f		MTF111[4],PhysF111[2],Align_Day[0.2],ICR_North
1023	Hookup north half of central silicon	3 w	11/16/00	12/8/00	1022,1014	As Soon As f		MTF111[4],PhysU111[2],PhysF111,EEF115,ETF115,ICR_North
1024	Checkout north half of silicon detector	5 w	11/16/00	12/26/00	1023SS	As Soon As f		PhysU111[3],PhysF111[3],EEF115,ETF115,ICR_North[0.3]
1025	Install/hookup silicon H-disk north	1 w	12/11/00	12/15/00	873FS+1 w,1023	As Soon As f		MTF111[3],PhysU111[2],PhysF111,Align_Day[0.2],ICR_North
1026	<i>North Silicon Hooked Up And Checked Out</i>	0 w	12/15/00	12/15/00	1025	As Soon As		
1027	Final hookup and survey beam pipe	1 w	12/18/00	12/26/00	1026	As Soon As f		MTF100,MEF111[0.25],PhysF111[0.25],Align_Day,ICR_North,IC
1028	<i>M2-Silicon Tracker Installed in Solenoid/Fiber Tracker</i>	0 w	12/15/00	12/15/00	1022,1025	As Soon As		
1029	<i>Silicon And Beam Pipe Installed And Surveyed</i>	0 w	12/26/00	12/26/00	1027	As Soon As		
1030								
1031	<b>CALORIMETER FRONT-END ELECTRONICS</b>	377.6 w	8/5/93	2/5/01		As Soon As		
1243								
1244	<b>ICD FABRICATION</b>	267 w	6/1/95	10/10/00		As Soon As		
1339	Install ICD North	1 d	5/4/00	5/4/00	1285,1404	Start No Ear		MTF122[3],PhysU122[3],MTU122,Welder_Day,Crane_Day[0.1],I
1340	Install ICD South	1 d	5/5/00	5/5/00	1287,1402,1339	Start No Ear	1.2.2.10.2.(5)	MTF122[3],PhysU122[3],MTU122,k\$(0.02),Welder_Day,Crane_C
1341	<i>M3-InterCryostat Detectors Installed</i>	0 w	5/5/00	5/5/00	1339,1340	As Soon As		
1342	Hookup ICD-North	2 w	9/27/00	10/10/00	1339,1293,1308	As Soon As f		MTF122[3],PhysU122[3],MTU122,ICR_North[0.5],CF_Wlkway_E
1343	Hookup ICD-South	1 w	10/11/00	10/17/00	1342,1293,2135,1017	As Soon As f		MTF122[3],PhysU122[3],MTU122,ICR_South[0.5],CF_Wlkway_E
1344	Commission ICD	15 w	10/11/00	1/31/01	1342	As Soon As f	1.2.2.11	PhysU122[2],k\$(0.05),ICR_North[0.1],ICR_South[0.1],CF_Wlkwe
1345								
1346	<b>FORWARD PRESHOWER FABRICATION</b>	218.6 w	4/4/96	9/1/00		As Soon As		
1402	Install FPS-South	1.4 w	4/18/00	4/26/00	1397	As Soon As f		MTF114[2],PhysU114[2],Welder_Day,Crane_Day[0.1],ICR_Sout
1403	<i>M3-Forward Preshower-South installed</i>	0 w	4/26/00	4/26/00	1402	As Soon As		
1404	Install FPS-North	0.4 w	4/27/00	4/28/00	1401,1402	As Soon As f		MTF114[2],PhysU114[2],Welder_Day,Crane_Day[0.1],ICR_Nort
1405	Hookup FPS-North	3 w	8/28/00	9/18/00	1364SS+50 %,1404,2150	As Soon As f		MTF114[2],PhysU114[2],ICR_North,Platform[0.5]
1406	Hookup FPS-South	3 w	10/5/00	10/25/00	1405,1364,2135,1017	As Soon As f		MTF114[2],PhysU114[2],ICR_South,Platform[0.5]
1407	Commission FPS	18 w	9/19/00	1/30/01	1405	As Soon As f		PhysU114[2],ICR_North[0.1],ICR_South[0.1],Platform[0.1]
1408								
1409	<b>LEVEL Ø FABRICATION</b>	188.8 w	4/2/97	1/25/01		Start No Ear		
1438	Install Level Ø-South	1 d	5/8/00	5/8/00	1411,1340	As Soon As f		MTF142[3],PhysU142[2],ICR_South[0.2]
1439	Install Level Ø-North	1 d	5/8/00	5/8/00	1411,1339	As Soon As f		MTF142[3],PhysU142[2],ICR_North[0.2]
1440	<i>M3-Level Ø-South Installed</i>	0 w	5/8/00	5/8/00	1438	As Soon As		
1441	Hookup Level Ø-North	1 w	9/19/00	9/25/00	1405,1439,1430FF	As Soon As f		MTF142[3],PhysU142[2],ICR_North[0.2],Platform[0.2]
1442	Hookup Level Ø-South	1 w	10/26/00	11/1/00	1406,1438,2135,1017,1430FF	As Soon As f		MTF142[3],PhysU142[2],ICR_South[0.2],Platform[0.2]
1443	Commission Level Ø	17 w	9/26/00	1/30/01	1441	As Soon As f		PhysU142[2],ICR_North[0.1],ICR_South[0.1],Platform[0.1]

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1444								
1445	MUON CENTRAL DETECTOR UPGRADE	248.2 w	11/27/95	11/22/00		As Soon As		
1653								
1654	MUON FORWARD TRACKING DETECTORS	218.2 w	8/1/96	1/3/01		As Soon As		
1756								
1757	MUON FORWARD TRIGGER DETECTORS	223 w	8/1/96	2/6/01		As Soon As		
1879								
1880	MUON ELECTRONICS	264.4 w	9/4/95	1/2/01		As Soon As		
2037								
2038	FORWARD SHIELDING	148.6 w	8/1/97	8/7/00		As Soon As		
2132								
2133	TRUSS MOVEMENT- Late truss installation	11.2 w	6/26/00	9/13/00		As Soon As		
2154								
2155	ROLL-IN	14.4 w	11/1/00	2/16/01		As Soon As		
2156	<i>Tevatron Commissioning Run Ends</i>	0 w	11/1/00	11/1/00		Start No Ear		
2157	<i>M1-Begin Shield Wall Removal/Ready to Roll-in</i>	0 w	11/13/00	11/13/00	2158SS	Start No Ear		
2158	Remove shielding wall, disconnect HVAC	0.6 w	11/13/00	11/15/00	1860	As Soon As f		MTF100[6],ETF100[2],Crane_Day,DAB_Pit,Sidewalk_North,Side
2159	Restack center of shield wall for B-layer pixel staging	0.4 w	11/16/00	11/17/00	2158	As Soon As f		
2160	Prepare collision hall/low beta quads for roll-in	4 w	11/1/00	11/30/00	2156	As Soon As f		MTF100[4],Collision_Hall
2161	Install and align north EMC in collision hall	1 w	11/20/00	11/28/00	2160SS+2 w,1854,2159	As Soon As f		MTF100[4],PhysU133[2],PhysF133,Align_Day,Collision_Hall[0.5
2162	Survey north EMC	0.4 w	11/29/00	11/30/00	2161	As Soon As f		Align_Day[3],Collision_Hall[0.5]
2163	<i>North EMC Installed and Surveyed</i>	0 w	11/30/00	11/30/00	2162	As Soon As		
2164	Install and align south EMC truss in collision hall	1 w	12/1/00	12/7/00	1859,2162	As Soon As f		MTF100[4],PhysU133[2],PhysF133,Align_Day,Sidewalk_South,[
2165	Survey south EMC	0.4 w	12/8/00	12/11/00	2164	As Soon As f		Align_Day[3],Collision_Hall[0.5]
2166	<i>South EMC Installed and Surveyed</i>	0 w	12/11/00	12/11/00	2165	As Soon As		
2167	Close calorimeters and end irons for roll-in	0.6 w	1/10/01	1/12/01	1029,1870	As Soon As		MTF100[4],Platform,DAB_Pit,ICR_North,ICR_South,CF_Wlkv
2168	Roll detector into collision hall	1 w	1/15/01	1/19/01	1445,1880,1406,1442,1343,2038	As Soon As		MTF100[6],MEF100,Platform,DAB_Pit,ICR_North,ICR_South,
2169	Position detector	2 w	2/5/01	2/16/01	2168FS+2 w	As Soon As		
2170	Build first 5 tiers of shielding wall	1 w	1/22/01	1/26/01	2168	As Soon As f		MTF100[4],Crane_Day
2171	Hookup utilities, shield cable bridge	0.6 w	1/22/01	1/24/01	2168	As Soon As f		MTF100[4]
2172	Open iron, calorimeters	0.6 w	1/22/01	1/24/01	2168	As Soon As f		MTF100[4],Platform,ICR_North,ICR_South,CF_Wlkway_E,CF_V
2173	Install/hookup air handlers	1 w	1/29/01	2/2/01	2170	As Soon As f		MTF100[4],ETF100[2]
2174	Build wall to 10 tiers	0.4 w	2/5/01	2/6/01	2173	As Soon As f		MTF100[4],Crane_Day
2175	Install helium U-tubes	0.6 w	2/7/01	2/9/01	2174	As Soon As f		MTF100[4],MEF100,Welder_Day
2176	Finish shielding wall	0.2 w	2/12/01	2/12/01	2175	As Soon As f		MTF100[4],Crane_Day
2177	<i>M1-Detector Rolled-in and Hooked Up</i>	0 w	2/16/01	2/16/01	2176,2169	As Soon As		
2178								
2179	TRIGGER SYSTEM	265.2 w	10/2/95	2/5/01		As Soon As		
2614								
2615	ONLINE SYSTEM	148 w	9/19/97	9/20/00		As Soon As		