



Tue 5/10/05 3:23 PM Start Up 2005 v1.mpp				May 9, '05														May 16, '05		
ID	Task Name	Duration	Start	T	F	S	S	M	T	W	T	F	S	S	M	T				
57																				
58	Beam Physics Studies (HOM dampers, instabilities)	3.46 days	Mon 5/9/05	Beam Physics Studies (HOM dampers, instabilities, feedbacks, beam based																
59	Test of HOM dampers 1 (different fill patterns, cu	10 ehrs	Mon 5/9/05	Test of HOM dampers 1 (different fill patterns, currents and cavity temperatures) Kwiatkowski,Byrd,Barry,Stover																
60	Scrub With Beam (1.9 GeV) -> maybe more time	6 ehrs	Tue 5/10/05	Scrub With Beam (1.9 GeV) -> maybe more time needed ? Vacuumwork in sectors 2,3,4,6,... ! Operators																
61	During Scrubbing: Test Slow Orbit Feedback and	6 ehrs	Tue 5/10/05	Orbit Feedback and new ML software (later in week potentially give some beam to users - BL 5?) Steier,Scarvie																
62	Analyze response matrix	2 ehrs	Tue 5/10/05	Analyze response matrix Steier[10%]																
63	Sufficiently Good Vacuum For Precision Machine	0 days	Tue 5/10/05	Sufficiently Good Vacuum For Precision Machine Studies 5/10																
64	EPBI Test 2	6 ehrs	Tue 5/10/05	EPBI Test 2 Byrne,Operators																
65	Measure absolute orbits/coupling	4 ehrs	Wed 5/11/05	Measure absolute orbits/coupling Nishimura																
66	Prepare For/Test Beam Based Alignment	2 ehrs	Wed 5/11/05	Prepare For/Test Beam Based Alignment Scarvie																
67	Beam Based Alignment	0.63 days	Wed 5/11/05	Beam Based Alignment																
68	Find QF and QD Centers	6 ehrs	Wed 5/11/05	Find QF and QD Centers Physics,Operators																
69	Find QFA+QDA Centers	6 ehrs	Wed 5/11/05	Find QFA+QDA Centers Physics,Operators																
70	Establish Golden Orbit Without User Bumps	2 ehrs	Wed 5/11/05	Establish Golden Orbit Without User Bumps Physics,Operators																
71	Measure Response Matrix again	1 ehr	Wed 5/11/05	Measure Response Matrix again Physics,Operators																
72	Test of HOM dampers 2 (different fill patterns anc	8 ehrs	Wed 5/11/05	Test of HOM dampers 2 (different fill patterns and currents) Kwiatkowski,Baptiste																
73	Study transverse multibunch feedbacks with HOM	4 ehrs	Thu 5/12/05	Study transverse multibunch feedbacks with HOM dampers Barry																
74	Measurement of Beam Stability With Feedback S	4 ehrs	Thu 5/12/05	Measurement of Beam Stability With Feedback Systems and HOM dampers at 400 Milliamps Kwiatkowski,Barry,Stover																
75	Fit Lattice Model	4 ehrs	Wed 5/11/05	Fit Lattice Model Steier																
76	Generate Feed Forward Tables	12 ehrs	Thu 5/12/05	Generate Feed Forward Tables Physics,Operators																
77	Test Routine high current operation	4 ehrs	Fri 5/13/05	Test Routine high current operation Physics,Operators,Byrne[50%],Byrd																
78																				
79	HOM dampers decision point	0 days	Thu 5/12/05	HOM dampers decision point 5/12																
80																				
81	Additional Beam Physics Studies	4.92 days	Fri 5/13/05	Additional Beam Physics Studies																
82	Fast orbit feedback (new IP 2 boards)	8 ehrs	Fri 5/13/05	Fast orbit feedback (new IP 2 boards) Steier,Jacobson,Domning,Scarvie,Williams																
83	Scan all small gap vacuum chambers for lifetime	8 ehrs	Fri 5/13/05	Scan all small gap vacuum chambers for lifetime changes (especially IVID) Physics,Operators																
84	Additional tests with IVID (tune shift, orbit, dynam	8 ehrs	Fri 5/13/05	Additional tests with IVID (tune shift, orbit, dynamics, ...) Steier,Wittmer,Portmann,Wan,Robin																
85	Dynamics studies (gap vs. lifetime)	12 ehrs	Sat 5/14/05	Dynamics studies (gap vs. lifetime) Robin,Steier,Wan																
86	New skew quadrupole - local dispersion bump	12 ehrs	Sat 5/14/05	New skew quadrupole - local dispersion bump Wittmer,Steier,Robin																
87	Additional Middle Layer Tests - will be used during	12 ehrs	Sun 5/15/05	Additional Middle Layer Tests - will be used during whole startup Wittmer																
88	Test digital feedforward for EPU	4 ehrs	Sun 5/15/05	Test digital feedforward for EPU																
89	EPBI test # 3 for IVID	4 ehrs	Sun 5/15/05	EPBI test # 3 for IVID Byrne,Nishimura																
90	Test new IDBPMs	2 ehrs	Mon 5/16/05	Test new IDBPMs																
91	Test new skew coil in sector 11 [11 1]	2 ehrs	Mon 5/16/05	Test new skew coil in sector 11 [11 1]																
92	Skew FF table for [11 1]	12 ehrs	Mon 5/16/05	Skew FF table for [11 1]																
93	New FF tables (sector 6,11, ... ?)	4 ehrs	Mon 5/16/05	New FF tables (sector 6,11, ... ?)																
94	Move injection septa/straight further	6 ehrs	Mon 5/16/05	Move injection septa/straight further																
95	More coupling/dynamics studies	8 ehrs	Tue 5/17/05	More coupling/dynamics studies																
96	Test beam bumps for users?	4 ehrs	Tue 5/17/05	Test beam bumps for users?																
97	Low current scrubbing/beam time for some users	12 ehrs	Tue 5/17/05	Low current scrubbing/beam time for some users																
98																				
99	Key enable all beamlines (WITHOUT opening the shut	3 edays	Thu 5/12/05	Key enable all beamlines (WITHOUT opening the shutter) Hamamoto,Byrne[50%]																
100																				
101	Operations tests with beamline scientists	3 days	Sun 5/15/05	Operations tests with beamline scientists																
102	Get Beamlines online	2 ehrs	Sun 5/15/05	Get Beamlines online Byrne,Hamamoto																
103	Evaluate Overall Beam Stability/Quality with Beam	2 ehrs	Sun 5/15/05	Evaluate Overall Beam Stability/Quality with Beamlines Byrne,Beamlines,Byrd,Steier																
104	Absolute Orbit / bumps	8 ehrs	Sun 5/15/05	Absolute Orbit / bumps Byrne,Duarte,Beamlines																
105	Align (potentially frontends)	14 ehrs	Sun 5/15/05	Align (potentially frontends) Byrne,Duarte,																
106	Reevaluate Beamlines	6 ehrs	Mon 5/16/05	Reevaluate Beamlines Byrne,Duarte,																
107	Fine Tune Beamline Alignment / Routine Operatic	40 ehrs	Mon 5/16/05	Fine Tune Beamline Alignment / Routine Operation																
108																				
109	Align beamlines as necessary (reduced because s	37 days	Mon 4/11/05	Align beamlines as necessary (reduced because s																
110	Frontends/inside tunnel	26 edays	Mon 4/11/05	Frontends/inside tunnel Duarte,Byrne,Gavidia																
111	Outside tunnel	9 edays	Sat 5/7/05	Outside tunnel Duarte,Gavidia,Beamlines																
112	Final optimization	3 edays	Sun 5/15/05	Final optimization																