

Sheet1

# Days since HAPPEX end	Plan	Date (estimate)	Day of week	% towards completion	Beam Energy	Left HRS angle	Left HRS p0
1	switchover	10/29/09	Thursday				
2	switchover	10/30/09	Friday				
3	switchover	10/31/09	Saturday				
4	switchover	11/01/09	Sunday			12.9 (DIS#1)	-3.66
5	switchover	11/02/09	Monday				
6	commissioning	11/03/09	Tuesday		6.068	12.9	-3.66
7	commissioning	11/04/09	Wednesday				
8	commissioning	11/05/09	Thursday				
9	commissioning	11/06/09	Friday				
10		11/07/09	Saturday	0.00			
11	First day of actual production	11/08/09	Sunday	2.27	6.068	12.9	-3.66
12		11/09/09	Monday	4.55			
13		11/10/09	Tuesday	6.82			
14		11/11/09	Wednesday	9.09			
15		11/12/09	Thursday	11.36			
16		11/13/09	Friday	13.64			
17		11/14/09	Saturday	15.91			
18		11/15/09	Sunday	18.18			
19		11/16/09	Monday	20.45			
20		11/17/09	Tuesday	22.73			
21		11/18/09	Wednesday	25.00			
22		11/19/09	Thursday	27.27			
23		11/20/09	Friday	29.55			
24		11/21/09	Saturday	31.82			
25		11/22/09	Sunday	34.09			

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26	Positron Running, spot change	11/23/09	Monday	36.36		12.9	+3.66 then change to -3.66
27		11/24/09	Tuesday	38.64			
28		11/25/09	Wednesday	40.91			
29		11/26/09	Thursday, Thanksgiving Day	43.18			
30		11/27/09	Friday	45.45			
31		11/28/09	Saturday	47.73			
32		11/29/09	Sunday	50.00			
33		11/30/09	Monday	52.27			
34	Transverse Running Mini spin dance plus Left arm kinematics change	12/01/09	Tuesday	54.55			
35		12/02/09	Wednesday	56.82		14.0 (RES#7)	-4.00
36		12/03/09	Thursday	59.09		20.0 (DIS#2)	-2.63
37		12/04/09	Friday	61.36			
38		12/05/09	Saturday	63.64			
39		12/06/09	Sunday	65.91			
40		12/07/09	Monday	68.18			
41		12/08/09	Tuesday	70.45			
42		12/09/09	Wednesday	72.73			
43		12/10/09	Thursday	75.00			
44		12/11/09	Friday	77.27			
45		12/12/09	Saturday	79.55			
46		12/13/09	Sunday	81.82			
47		12/14/09	Monday	84.09	6.068		
48		12/15/09	Tuesday	86.36	6.068		
49		12/16/09	Wednesday	88.64	6.068	20.0 (DIS#2)	-2.63
50	Pass Change	12/17/09	Thursday	90.91	4.868		
51		12/18/09	Friday	93.18	4.868	12.5 (RES#3)	-4.00
52		12/19/09	Saturday	95.45	4.868	12.9 (RES#4)	-3.55

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53	Resonance Running	12/20/09	Sunday	97.73	4.868		
54		12/21/09	Monday	100.00	4.868	12.9 (RES#5)	-3.10
55	beam stops at 7am	12/22/09	Tuesday		4.868		
56	beam study	12/23/09	Wednesday				
57	down	12/24/09					

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time	Right HRS angle	Right HRS p0	time	surveys or tech support needed	Notes
					install DAQ
					install DAQ
	20 (DIS#2)	-2.63			DAQ checkout
				both HRS angles, Left before 11/25, right before 12/19	
	20.0	-2.63			
432 ->384 hours	20.0	-2.63	1507- >1368 hours		
18->16 days			63->57 days		
LD2			LD2		
15 hours 50uA on Al dummy (4% of LD2 time for a 0.4% endcap error)			55 hours 50uA on Al dummy (4% of LD2 time for a 0.4% endcap error)		
5 hours on Al dummy done, 10 hours to go			5 hours on Al dummy done, 50 hours to go		
9 hours on Al dummy done, 6 hours to go			9 hours on Al dummy done, 46 hours to go		

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data taking at +3.66 is >5 hours, now up to 9 hours		+2.63 then change to -2.63	data taking at +2.63 is >5 hours, now up to 9 hours	tech changes polarity on both arms starting 12noon, then change them back 8am on Tuesday.	
13 hours on Al dummy, 2 hours to go			42 hours on Al dummy, 2 hours to go		
8 hours setup plus 16 hours data taking				invasive to Hall B, need MCC support	could be done earlier, it depends on MCC and Hall B.
20 hours					angle change could take one full shift
				LHRS new angle (20 deg)	
	20 (DIS#2)	-2.63		spectrometer move start 8am	can be done earlier
				both spectrometers move during or after pass change	
28 hours	19.0 (RES#6)	-2.77	45 hours		using 12.9 deg.
43 hours					

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	12.9 (RES#5)	-3.10	plus left arm, total ≥60 hours	right spectrometer move 8am	
til the end					