

**Cycle 9
Beam Operations: January to June 2009**

January, 2009								April, 2009															
Su	Mo	T	W	Th	F	S		Su	Mo	T	W	Th	F	S									
Run 49							1 (stat)	2	3	April, 2009													
00:00 - 08:00				X	M	M					M	M	M	M	00:00 - 08:00								
08:00 - 16:00				X	M	M					M	M	M	M	08:00 - 16:00								
16:00 - 24:00				X	M	M					M	M	M	M	16:00 - 24:00								
	4	5	6	7	8	9	10		5	6	7	8	9	10 (stat.)	11								
00:00 - 08:00	M	M	M	NS	N	N	N	00:00 - 08:00	M	M	M	M	M	M	M	00:00 - 08:00	M	M	M	M	M	M	M
08:00 - 16:00	M	D	D	DS	N	N	N	08:00 - 16:00	M	M	M	M	M	M	M	08:00 - 16:00	M	M	M	M	M	M	M
16:00 - 24:00	M	D	D	N	N	N	N	16:00 - 24:00	M	M	M	M	M	M	M	16:00 - 24:00	M	M	M	M	M	M	M
	11	12	13	14	15	16	17		12	13	14	15	16	17	18								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	M	M	M	M	M	M	M	00:00 - 08:00	M	M	M	M	M	M	M
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	M	M	M	M	M	M	M	08:00 - 16:00	M	M	M	M	M	M	M
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	M	M	M	M	M	M	M	16:00 - 24:00	M	M	M	M	M	M	M
	18	19	20	21	22	23	24		19	20	21	22	23	24	25								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	M	M	M	M	M	M	M	00:00 - 08:00	M	M	M	M	M	M	M
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	M	M	M	M	M	M	M	08:00 - 16:00	M	M	M	M	M	M	M
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	M	M	M	M	M	M	M	16:00 - 24:00	M	M	M	M	M	M	M
	25	26	27	28	29	30	31		26	27	28	29	30										
00:00 - 08:00	N	N	M	M	NS	N	N	00:00 - 08:00	M	M	M	M	M			00:00 - 08:00	M	M	M	M	M		
08:00 - 16:00	N	M	M	D	N	N	N	08:00 - 16:00	M	M	M	M	M			08:00 - 16:00	M	M	M	M	M		
16:00 - 24:00	N	M	M	D	N	N	N	16:00 - 24:00	M	M	M	M	M			16:00 - 24:00	M	M	M	M	M		
February, 2009								May, 2009															
Su	Mo	T	W	Th	F	S		Su	Mo	T	W	Th	F	S									
Run 50							1	2	3	Run 52													
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00						M	M	00:00 - 08:00							
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00						D	D	08:00 - 16:00						D	D
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00						D	D	16:00 - 24:00						D	D
	8	9	10	11	12	13	14		3	4	5	6	7	8	9								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	NS	NS	NS	NS	NS	NS	NS	00:00 - 08:00	NS	NS	NS	NS	NS	NS	NS
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	NS	D	DS	NS	NS	NS	NS	08:00 - 16:00	NS	D	DS	NS	NS	NS	NS
16:00 - 24:00	N	D	N	N	N	N	N	16:00 - 24:00	NS	DS	NS	NS	NS	NS	NS	16:00 - 24:00	NS	DS	NS	NS	NS	NS	NS
	15	16 (stat.)	17	18	19	20	21		10	11	12	13	14	15	16								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	N	N	NS	SB	N	N	N	00:00 - 08:00	N	N	NS	SB	N	N	N
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	N	D	SB	N	N	N	N	08:00 - 16:00	N	D	SB	N	N	N	N
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	N	D	SB	N	N	N	N	16:00 - 24:00	N	D	SB	N	N	N	N
	22	23	24	25	26	27	28		17	18 (stat.)	19	20	21	22	23								
00:00 - 08:00	N	N	M	M	NS	N	N	00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	N	N	NS	N	N	N	N
08:00 - 16:00	N	M	M	D	N	N	N	08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	N	D	N	N	N	N	N
16:00 - 24:00	N	M	M	D	N	N	N	16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	N	DS	N	N	N	N	N
									24	25	26	27	28	29	30								
00:00 - 08:00								00:00 - 08:00	N	N	M	M	NS	N	N	00:00 - 08:00	N	N	M	M	NS	N	N
08:00 - 16:00								08:00 - 16:00	N	M	M	D	N	N	N	08:00 - 16:00	N	M	M	D	N	N	N
16:00 - 24:00								16:00 - 24:00	N	M	M	D	N	N	N	16:00 - 24:00	N	M	M	D	N	N	N
									31														
00:00 - 08:00								00:00 - 08:00	N							00:00 - 08:00	N						
08:00 - 16:00								08:00 - 16:00	N							08:00 - 16:00	N						
16:00 - 24:00								16:00 - 24:00	N							16:00 - 24:00	N						
March, 2009								June, 2009															
Su	Mo	T	W	Th	F	S		Su	Mo	T	W	Th	F	S									
Run 51							1	2	3	Run 53													
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00								00:00 - 08:00							
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00								08:00 - 16:00							
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00								16:00 - 24:00							
	8	9	10	11	12	13	14		7	8	9	10	11	12	13								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	N	N	NS	N	N	N	N
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	N	D	N	N	N	N	N
16:00 - 24:00	N	D	N	N	N	N	N	16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	N	DS	N	N	N	N	N
	15	16	17	18	19	20	21		14	15	16	17 (AUM)	18 (AUM)	19	20								
00:00 - 08:00	N	N	NS	N	N	N	N	00:00 - 08:00	N	N	N	N	M	N	N	00:00 - 08:00	N	N	N	N	M	N	N
08:00 - 16:00	N	D	N	N	N	N	N	08:00 - 16:00	N	N	N	D	D	N	N	08:00 - 16:00	N	N	N	D	D	N	N
16:00 - 24:00	N	DS	N	N	N	N	N	16:00 - 24:00	N	N	N	D	D	N	N	16:00 - 24:00	N	N	N	D	D	N	N
	22	23	24	25	26	27	28		21	22	23	24	25	26	27								
00:00 - 08:00	N	N	M	M	M	M	M	00:00 - 08:00	N	N	N	N	N	N	N	00:00 - 08:00	N	N	N	N	N	N	N
08:00 - 16:00	N	M	M	M	M	M	M	08:00 - 16:00	N	N	N	N	N	N	N	08:00 - 16:00	N	N	N	N	N	N	N
16:00 - 24:00	N	M	M	M	M	M	M	16:00 - 24:00	N	N	N	N	N	N	N	16:00 - 24:00	N	N	N	N	N	N	N
	29	30	31						28	29	30												
00:00 - 08:00	M	M	M					00:00 - 08:00	N	N	M					00:00 - 08:00	N	N	M				
08:00 - 16:00	M	M	M					08:00 - 16:00	N	M	M					08:00 - 16:00	N	M	M				
16:00 - 24:00	M	M	M					16:00 - 24:00	N	M	M					16:00 - 24:00	N	M	M				

3
153
34
12
304
34
3
543

X	Shut Down Mode: Beam Off
M	Maintenance Mode
D	Development Mode (Machine Studies) (HSE & Sr. Operator)
DS	Development Mode (Special Beamline Development (current TBA)) (HSE & Sr. Operator)
N	Normal Mode (Beam On (current 250 mA))
NS	Normal Mode (Special Beamline Requests/Commissioning (current TBA))
SB	Single Bunch (May 12-13)