

Ops report - MEMO – 13/7/2016

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	1	2	3
Reserve [mariyan.bogomilov/Sofia]					16:00 - 23:59 [mariyan.bogomilov/Sofia]	
					16:00 - 23:59* [raymond.gamet/Liverpool]	
					BLOC [chris.rogers/RA]	BLOC [chris.rogers/RA]
4	5	6	7	8	9	10
16:00 - 23:59* [raymond.gamet/Liverpool]			16:00 - 23:59 [mariyan.bogomilov/Sofia]			
16:00 - 23:59 [mariyan.bogomilov/Sofia]			16:00 - 23:59* [galina.vankova/Sofia]			
BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC [chris.rogers/RA]	BLOC [chris.rogers/RA]	BLOC [chris.rogers/RA]	BLOC [chris.rogers/RA]
11	12	13	14	15	16	17
16:00 - 23:59 [mariyan.bogomilov/Sofia]	16:00 - 23:59* [pavel.snopek/IT]					BLOC [Jan.grejs/Warwi]
16:00 - 23:59* [galina.vankova/Sofia]	16:00 - 23:59 [kevin.ronald/Strathclyde]					08:00 - 16:00* [francois.drietsma]
BLOC [Joe.Langlands/]	BLOC [Joe.Langlands/]	BLOC [Joe.Langlands/]	BLOC [Joe.Langlands/]	BLOC [Joe.Langlands/]	BLOC Available [0.2 pts]	08:00 - 16:00 [yingpeng.song/IH]
						16:00 - 23:59* [Alan.Young/Strathclyde]
						16:00 - 23:59 [mihailo.savic/IPB]
18	19	20	21	22	23	24
08:00 - 16:00* [francois.drietsma/Geneva]				08:00 - 16:00* [tanaz.mohaya/IT]		
08:00 - 16:00 [yingpeng.song/IHEP]				08:00 - 16:00 [yingpeng.song/IHEP]		
16:00 - 23:59* [Alan.Young/Strathclyde]				16:00 - 23:59* [kevin.ronald/Strathclyde]		
16:00 - 23:59 [mihailo.savic/IPB]				16:00 - 23:59 [david.neuffer/Fermilab]		
BLOC [Jan.grejs/Warwi]	BLOC [Jan.grejs/Warwi]	BLOC [Jan.grejs/Warwi]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]
25	26	27	28	29	30	31
08:00 - 16:00 [yingpeng.song/IHEP]		08:00 - 16:00* [tanaz.mohaya/IT]				
08:00 - 16:00* [tanaz.mohaya/IT]		08:00 - 16:00 [daniel.kaplan/IT]				
16:00 - 23:59 [david.neuffer/Fermilab]		16:00 - 23:59* [Alan.Young/Strathclyde]				
16:00 - 23:59* [kevin.ronald/Strathclyde]		16:00 - 23:59 [david.neuffer/Fermilab]				
BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]	BLOC Available [0.2 pts]		

- ▶ Paolo handing over to Paul Kyberd as MOM today
- ▶ Single shift / day seguing into two shifts on Sunday
- ▶ Training is defined
- ▶ BLOCs are, as ever, a concern
- ▶ Shifters will need reminding at the CM to turn up with training in mind.

Data Plan

Task	Description	Momentum	# Triggers	# shifts	SSU (ECE)	SSU M1/M2	FC	SSD (ECE)	SSD M1/M2
Straight track data									
1	TOF Calibration	✓		1	N	N/N	N	N	N/N
2	TOF rate studies			4+2	N	N/N	N	N	N/N
3a	Detector alignment	✓	200	1000k at TOF1	1	N	N/N	N	N/N
3b		✓	300	1000k at TOF1	1	N	N	N/N	N/N
3c		✓	400	1000k at TOF1	1	N	N	N/N	N/N
Beamline Commissioning									
	Needs to be defined								
4a	Proton absorber study	✓✗	140, 170, 200, 240	300k at TOF1 for 3 PA settings	2	N	N/N	N	N/N
4b	Diffuser study		200	300k at TOF1 for 4 diffuser setting + empty	2	Y	N/N	N	N/N
Magnet alignment									
5a	Focus coil alignment - sol	Thurs/Fri	200	100k at TOF2	1.5	N	N/N	Solenoid	N/N
5b	Focus coil alignment - sol	Thurs/Fri	300	100k at TOF2	1.5	N	N/N	Solenoid	N/N
(5c)	(Focus coil alignment - flip)		200	100k at TOF2	1.5	N	N/N	Flip	N/N
(5d)	(Focus coil alignment - flip)		300	100k at TOF2	1.5	N	N/N	Flip	N/N
6a	SSU alignment		200	100k at TOF2	1.5	Y	Y/N	N	N/N
6b	SSU alignment		300	100k at TOF2	1.5	Y	Y/N	N	N/N
6c	SSD alignment		200	100k at TOF2	1.5	N	N/N	N	Y
6d	SSD alignment		300	100k at TOF2	1.5	N	N/N	N	Y
Lattice and Optics validation									
7a	Current settings at nominal for ECE, FC		200	1000k at TOF2	1	Y	N/N	Solenoid	Y
7b	Vary current settings around nominal for ECE coils		200	100k at TOF2	3 @ 0.25 shifts per setting	Y	N/N	Solenoid	Y
7c	Current settings at nominal for ECE, M1U M2U coils		200	1000k at TOF2	1	Y	Y/Y	Solenoid	Y
7d	Vary current settings around nominal for ECE, M1U M2U coils		200	100k at TOF2	3	Y	Y/Y	Solenoid	Y
Dynamic aperture check									

Running

- ▶ Data-taking over the next 4 days
- ▶ Don't know what to do after that. Have taken most of the required straight track data. Could look at pionic beams in absence of SSU.
- ▶ Otherwise, at the mercy of the magnets.
- ▶ Running is reasonably smooth when actually running, although Physics Shifter seems to have vanished.
- ▶ Stop/start nature of running has potential to engender some chaos, especially as new shift crew come in and need training and familiarisation with systems
- ▶ SS/FC documentation not available – require magnet expert onsite if taking data with any of these on.