

July 2019

	Mo 1	Tu 2	We 3	Th 4	Fr 5	Sa 6	Su 7	Mo 8	Tu 9	We 10	Th 11	Fr 12	Sa 13	Su 14	Mo 15	Tu 16	We 17	Th 18	Fr 19	Sa 20	Su 21	Mo 22	Tu 23	We 24	Th 25	Fr 26	Sa 27	Su 28	Mo 29	Tu 30	We 31
12am		MI	MI	HX	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI	ST
8am	MI																														
4pm																														ST	

Shift Tally		
2B	Two bunch	0
AP	Acc Physics / Machine Setup	0
BLC	Beamline commissioning	0
HX	Holiday/X	3
IT	Interlock tests	0
MI	Maintenance	85
Sp	Sp Ops and scrubbing	0
SS	Safety Standdown	0
ST	Startup	4
UO	User Operations	1

August 2019

	Th 1	Fr 2	Sa 3	Su 4	Mo 5	Tu 6	We 7	Th 8	Fr 9	Sa 10	Su 11	Mo 12	Tu 13	We 14	Th 15	Fr 16	Sa 17	Su 18	Mo 19	Tu 20	We 21	Th 22	Fr 23	Sa 24	Su 25	Mo 26	Tu 27	We 28	Th 29	Fr 30	Sa 31
12am	ST	ST	ST	ST	IT	IT	IT	ST	BLC				AP						IT	MI	Sp					AP					
8am				IT								AP							MI						AP						
4pm																				ST											

Shift Tally		
2B	Two bunch	0
AP	Acc Physics / Machine Setup	6
BLC	Beamline commissioning	3
HX	Holiday/X	0
IT	Interlock tests	10
MI	Maintenance	4
Sp	Sp Ops and scrubbing	1
SS	Safety Standdown	0
ST	Startup	14
UO	User Operations	55

September 2019

	Su 1	Mo 2	Tu 3	We 4	Th 5	Fr 6	Sa 7	Su 8	Mo 9	Tu 10	We 11	Th 12	Fr 13	Sa 14	Su 15	Mo 16	Tu 17	We 18	Th 19	Fr 20	Sa 21	Su 22	Mo 23	Tu 24	We 25	Th 26	Fr 27	Sa 28	Su 29	Mo 30
12am	U7																													
8am																														
4pm																														

Shift Tally		
2B	Two bunch	0
AP	Acc Physics / Machine Setup	9
BLC	Beamline commissioning	0
HX	Holiday/X	3
IT	Interlock tests	1
MI	Maintenance	11
Sp	Sp Ops and scrubbing	2
SS	Safety Standdown	0
ST	Startup	2
UO	User Operations	62

October 2019

	Tu 1	We 2	Th 3	Fr 4	Sa 5	Su 6	Mo 7	Tu 8	We 9	Th 10	Fr 11	Sa 12	Su 13	Mo 14	Tu 15	We 16	Th 17	Fr 18	Sa 19	Su 20	Mo 21	Tu 22	We 23	Th 24	Fr 25	Sa 26	Su 27	Mo 28	Tu 29	We 30	Th 31
12am	MI	AP	Sp						AP						MI	Sp												IT	MI	AP	Sp
8am								AP					MI							AP								MI			
4pm	ST														ST													ST			

Shift Tally		
2B	Two bunch	0
AP	Acc Physics / Machine Setup	12
BLC	Beamline commissioning	0
HX	Holiday/X	0
IT	Interlock tests	1
MI	Maintenance	10
Sp	Sp Ops and scrubbing	3
SS	Safety Standdown	0
ST	Startup	3
UO	User Operations	64

November 2019

	Fr 1	Sa 2	Su 3	Mo 4	Tu 5	We 6	Th 7	Fr 8	Sa 9	Su 10	Mo 11	Tu 12	We 13	Th 14	Fr 15	Sa 16	Su 17	Mo 18	Tu 19	We 20	Th 21	Fr 22	Sa 23	Su 24	Mo 25	Tu 26	We 27	Th 28	Fr 29	Sa 30
12am					AP						IT	MI	AP	Sp	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	HX	HX	HX
8am				AP							MI			2B																
4pm												ST																		

Shift Tally		
2B	Two bunch	41
AP	Acc Physics / Machine Setup	6
BLC	Beamline commissioning	0
HX	Holiday/X	9
IT	Interlock tests	1
MI	Maintenance	4
Sp	Sp Ops and scrubbing	1
SS	Safety Standdown	0
ST	Startup	1
UO	User Operations	27

December 2019

	Su 1	Mo 2	Tu 3	We 4	Th 5	Fr 6	Sa 7	Su 8	Mo 9	Tu 10	We 11	Th 12	Fr 13	Sa 14	Su 15	Mo 16	Tu 17	We 18	Th 19	Fr 20	Sa 21	Su 22	Mo 23	Tu 24	We 25	Th 26	Fr 27	Sa 28	Su 29	Mo 30	Tu 31
12am	HX	IT	MI	Sp					AP								MI	AP	Sp					HX	HX	HX	HX	HX	HX	HX	HX
8am		MI						AP								MI															
4pm			ST														ST						HX								

Shift Tally		
2B	Two bunch	0
AP	Acc Physics / Machine Setup	6
BLC	Beamline commissioning	0
HX	Holiday/X	28
IT	Interlock tests	1
MI	Maintenance	8
Sp	Sp Ops and scrubbing	2
SS	Safety Standdown	0
ST	Startup	2
UO	User Operations	46

2019-2 Jul - Dec		
Total calendar shifts	552	
Total user shifts	296	53.6 %
Acc Physics / Machine Setup	39	7.1 %
Beamline commissioning	3	0.5 %
Holiday/X	43	7.8 %
Interlock tests	14	2.5 %
Maintenance	122	22.1 %
Sp Ops and scrubbing	9	1.6 %
Startup	26	4.7 %

The following data are percentages of total user shifts		
Total user shifts	296	
Multibunch shifts	255	86.1 %
2-bunch shifts	41	13.9 %