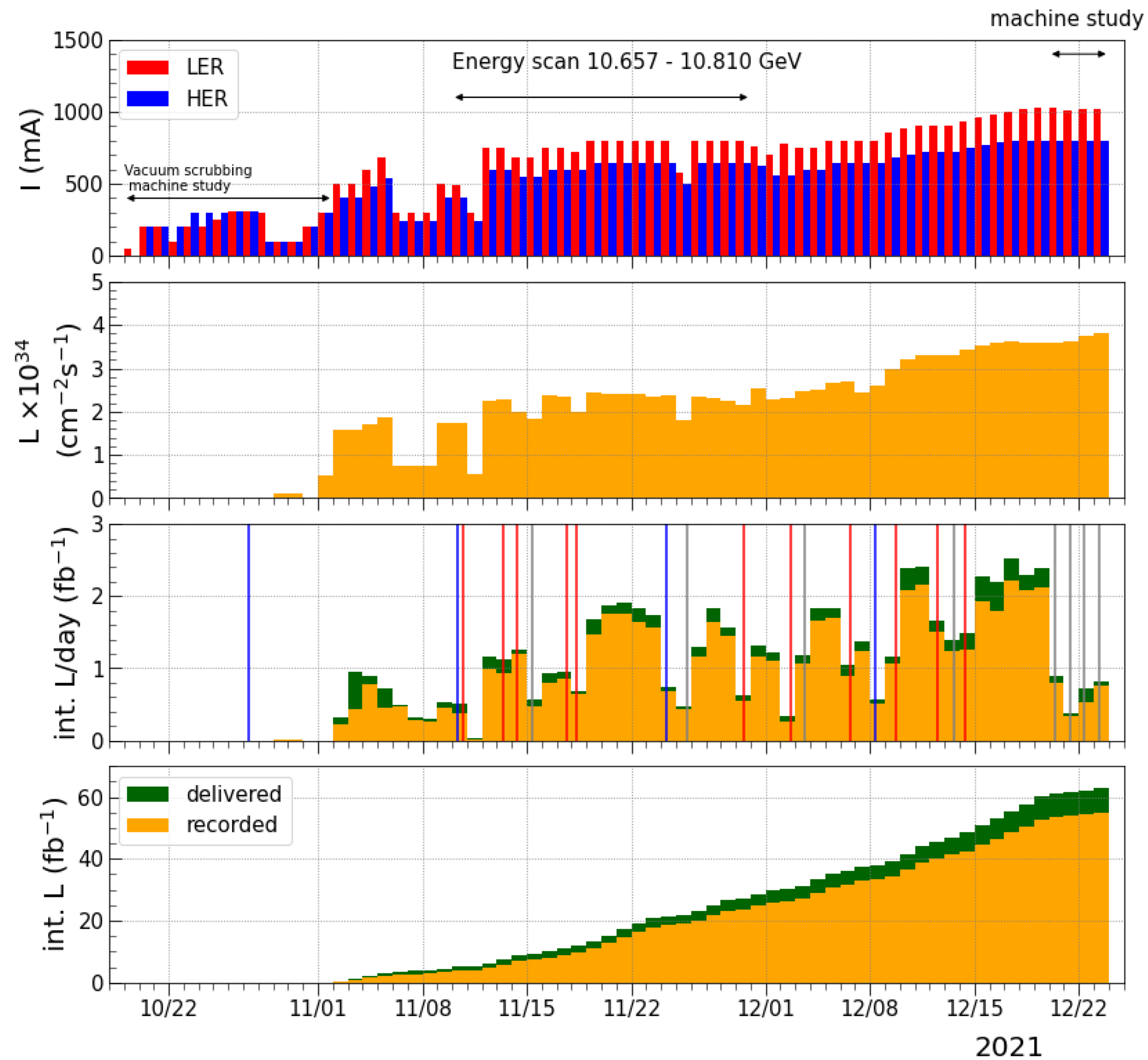
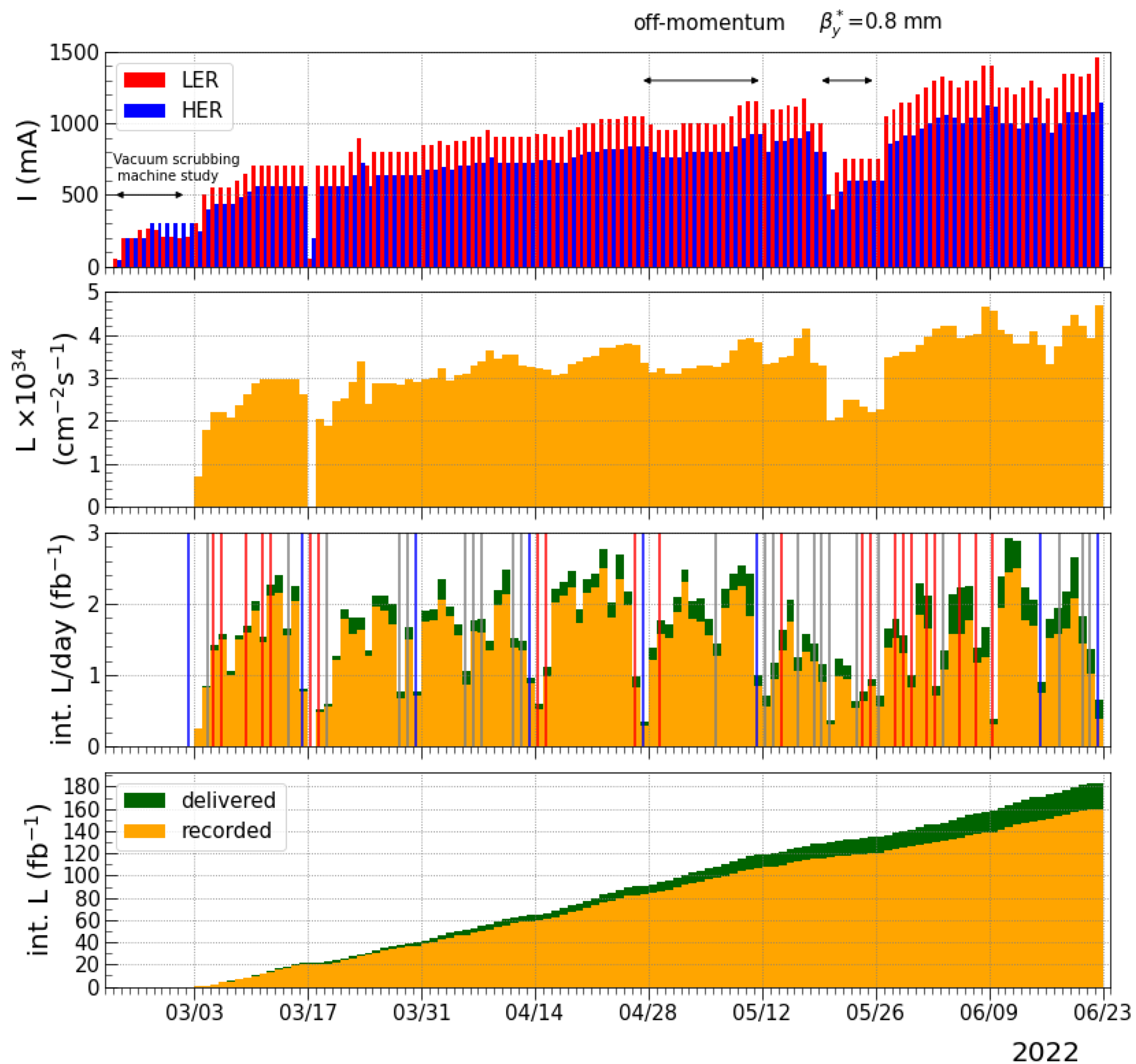




maintenance
machine trouble
machine study



Note: Baking run is required before setting beam currents that are higher than ever experienced before.

maintenance

machine trouble

machine study or machine tuning

	October						
	16 (Sat)	17 (Sun)	18 (Mon)	19 (Tue)	20 (Wed)	21 (Thu)	22 (Fri)
C: Owl				Target of scrubbing LER: 50Ah HER: 20-30 Ah	HER D09V3 loss monitor LER vacuum scrubbing $\beta_y^* = 8$ mm (100 mA) HER vacuum scrubbing $\beta_y^* = 8$ mm (60 mA)	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8$ mm LER injection kicker accidental fire	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8$ mm
A: Day			Linac/BT/DR study	KCG meeting 9:00 -	LER BxB FB PS HER optics correction HER QuadBPM LER QuadBPM	sextupole orbit optics correction HER BxB FB detector	LER/HER injection tuning - septum
				LER starts LER $\beta_y^* = 8$ mm (detuned optics) LER septum EVR OFF Find COD LER BCM	HER abort tuning injection tuning - kicker tuning	find collision bucket Beam-Beam scan (H) Beam-Beam scan (V) LER BS mode rad. check (15:30-16:30)	LER/HER injection tuning - kicker LER injection kicker work
B: Evening				LER BPM gain mapping LER optics correction LER injection tuning LER abort tuning	QKSLY calibrations	collimator calibration LER injection tuning D11C CIR#3DL TEMP-REC D04A MT-DL TEMP	injection tuning - aperture survey
				HER starts HER $\beta_y^* = 8$ mm (detuned optics) Find COD HER BCM HER BPM gain mapping	QKSLY calibrations	collimator calibration HER injection tuning	injection tuning

	October						
	23 (Sat)	24 (Sun)	25 (Mon)	26 (Tue)	27 (Wed)	28 (Thu)	29 (Fri)
C: Owl	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8 \text{ mm}$	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8 \text{ mm}$	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8 \text{ mm}$	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8 \text{ mm}$	LER vacuum scrubbing HER vacuum scrubbing $\beta_y^* = 8 \text{ mm}$ Beam OFF (8:00)	LER vacuum scrubbing HER vacuum scrubbing LER injection kicker accidental fire	LER vacuum scrubbing
A: Day	LER vacuum scrubbing HER vacuum scrubbing	LER vacuum scrubbing HER vacuum scrubbing	injection study - SRM (Ikeda)	TMCI threshold with changing coll. aperture single bunch tune shift	maintenance	LER injection kicker investigation	LER $\beta_y^* = 2 \rightarrow 1 \text{ mm}$ CW 80 % LER optics correction
			injection study - SRM (Ikeda) - BT end matching	TMCI threshold with changing coll. aperture single bunch tune shift		LER injection kicker investigation HER injection tuning HER collimator tuning	HER injection tuning HER optics correction
B: Evening	LER vacuum scrubbing HER vacuum scrubbing	LER vacuum scrubbing HER vacuum scrubbing	injection study	injection study	D08A trouble HER $\beta_y^* = 8 \rightarrow 3 \rightarrow 2$ $\rightarrow 1 \text{ mm}$ CW 40 % LER BPM gain mapping LER optics correction	LER kicker thyatron work	collision tuning Beam-Beam scan
			injection study	injection study	LER $\beta_y^* = 8 \text{ mm}$ HER BPM gain mapping	LER $\beta_y^* = 8 \rightarrow 3 \rightarrow 2$ mm LER optics correction	collision tuning physics run 100 mA / 100 mA $n_b = 393$

	October		November				
	30 (Sat)	31 (Sun)	1 (Mon)	2 (Tue)	3 (Wed)	4 (Thu)	5 (Fri)
C: Owl	LER injection kicker accidental fire (K2-2) removed from operation		QCS quench (earthquake)	physics run 300 mA / 240 mA $n_b = 783$			
A: Day	vacuum scrubbing 100 mA / 100 mA $n_b = 393$	vacuum scrubbing 200 mA / 200 mA $n_b = 783$	recover QCS LER optics correction	injection kicker tuning LER K1-3 reserve volt.	physics run 500 mA / 400 mA $n_b = 783$ to 1272	physics run 600 mA / 480 mA $n_b = 1272$	physics run 680 mA / 530 mA $n_b = 1272$
			injection tuning	physics run 340 mA / 280 mA $n_b = 783$			HER RF -1-mode damper adjustment LER injection kicker accidental fire (K1-1)
B: Evening			HER optics correction injection tuning collimator tuning	physics run 500 mA / 400 mA $n_b = 783$			physics run 300 mA / 240 mA $n_b = 783$
			collision tuning 300 mA / 240 mA $n_b = 783$ collimator tuning				

	November						
	6 (Sat)	7 (Sun)	8 (Mon)	9 (Tue)	10 (Wed)	11 (Thu)	12 (Fri)
C: Owl					physics run 490 mA / 400 mA $n_b = 783$	vacuum scrubbing 100 mA / 50 mA $n_b = 783$	physics run 500 mA / 440 mA $n_b = 783$
A: Day	physics run 300 mA / 240 mA $n_b = 783$	physics run 300 mA / 240 mA $n_b = 783$	LER kicker thyatron replacement (K1-1 → CX1154C) tunnel work	physics run 400 mA / 320 mA $n_b = 783$	maintenance	HER: $\beta_y^* = 8\text{ mm} \rightarrow 3 \rightarrow 2\text{ mm} \rightarrow 1\text{ mm}$ CW 40 % LER: $\beta_y^* = 2\text{ mm} \rightarrow 1\text{ mm}$ CW 80 %	physics run 680 mA / 530 mA $n_b = 1272$
				SR cure at Nikko tunnel work collimator calibration		optics corrections	
B: Evening			Linac KL2-2 down HER optics correction collision tuning collimator tuning	LER optics correction M3 cooling water trouble physics run 400 mA / 320 mA $n_b = 783$	M0A cooling water trouble (pump replacement) $E_{cm} = 10.5794\text{ GeV} \rightarrow 10.657\text{ GeV}$	HER optics correction collision tuning collimator tuning	physics run 750 mA / 600 mA $n_b = 1272$
			physics run 300 mA / 240 mA $n_b = 1272$	physics run 490 mA / 400 mA $n_b = 783$	LER: $\beta_y^* = 8\text{ mm} \rightarrow 3\text{ mm} \rightarrow 2\text{ mm}$ HER: $\beta_y^* = 8\text{ mm}$ optics corrections	physics run 300 mA / 240 mA $n_b = 783$	

	November						
	13 (Sat)	14 (Sun)	15 (Mon)	16 (Tue)	17 (Wed)	18 (Thu)	19 (Fri)
C: Owl	physics run 750 mA / 600 mA $n_b = 1272$	cooling water pump trouble for D07AB dummy load	linac pulse magnet PS: flow meter failure of cooling water	physics run 300 mA / 240 mA $n_b = 1272$		physics run 300 mA / 240 mA $n_b = 1272$	
A: Day	IR cooling water injection trouble	HER optics measurement investigation of emittance blowup in HER	HER SRM calibration replacement of flow meter			RF D10AB KPS 66kV OPEN PHASE: air cooling fan motor trouble Linac SXC81 PS and QF1656 PS replacement	
			$E_{cm} = 10.657 \text{ GeV}$ → 10.706 GeV	physics run 750 mA / 600 mA $n_b = 1272$	$E_{cm} = 10.706 \text{ GeV}$ → 10.751 GeV	physics run 700 mA / 560 mA $n_b = 1272$ HER injection tuning	Baking run physics run 800 mA / 640 mA $n_b = 1272$
B: Evening	physics run 680 mA / 540 mA $n_b = 1272$	physics run 680 mA / 540 mA $n_b = 1272$			Linac SXC81 PS trouble Linac QF1656 PS trouble		

	November						
	20 (Sat)	21 (Sun)	22 (Mon)	23 (Tue)	24 (Wed)	25 (Thu)	26 (Fri)
C: Owl	physics run 800 mA / 640 mA $n_b = 1272$	physics run 800 mA / 640 mA $n_b = 1272$	physics run 800 mA / 640 mA $n_b = 1272$ $L_{int} : 6 \text{ fb}^{-1}$	physics run 800 mA / 640 mA $n_b = 1272$	physics run 800 mA / 640 mA $n_b = 1272$	physics run 500 mA / 400 mA $n_b = 978$	physics run 550 mA / 440 mA $n_b = 978$
A: Day					maintenance LER K1-3 thyatron replacement	physics run 580 mA / 500 mA $n_b = 1272$	
						$E_{cm} = 10.751 \text{ GeV}$ → 10.810 GeV	physics run 800 mA / 640 mA $n_b = 1272$
B: Evening					$E_{cm} = 10.751 \text{ GeV}$ optics correction	optics correction LER injection kicker tuning	
						injection tuning	

	November		December				
	27 (Sat)	28 (Sun)	29 (Mon)	30 (Tue)	1 (Wed)	2 (Thu)	3 (Fri)
C: Owl	physics run 800 mA / 640 mA $n_b = 1272$	physics run 800 mA / 640 mA $n_b = 1272$	physics run 800 mA / 640 mA $n_b = 1272$	physics run 600 mA / 480 mA $n_b = 1272$	physics run 700 mA / 560 mA $n_b = 1272$	injection stop deu to DR loss	physics run 700 mA / 560 mA $n_b = 1272$
A: Day			resume on-resonance magnet standardization $E_{cm} = 10.810 \text{ GeV}$ → 10.5794 GeV		Linac tuning (AB sector, 35 sector SB phase) mini energy scan (1.5 shift)	DR MO replacement Belle II background study Linac/BT study	
			Linac: laser trouble	physics run 760 mA / 620 mA $n_b = 1272$			DR ext. kicker tuning HER tune scan
B: Evening			optics correction	physics run 750 mA / 600 mA $n_b = 1272$	energy set (+4 MeV) optics correction BTe / BTp tuning		
				QC1P adjustment		XRM (LER) trouble	

	December						
	4 (Sat)	5 (Sun)	6 (Mon)	7 (Tue)	8 (Wed)	9 (Thu)	10 (Fri)
C: Owl				collision tuning physics run 800 mA / 640 mA $n_b = 1272$	D04 vacuum bump study (7:30 - 8:50)	physics run 700 mA / 560 mA $n_b = 1272$ Linac trouble (e-)	
A: Day			DR injection stop investigation e- RF gun tuning optics correction (LER/ HER)		maintenance BTp/BTe FUJI dump mode (15:00 -)	CLAWS injection veto injection tuning Linac/BT tuning	physics run 880 mA / 700 mA $n_b = 1272$
			physics run 800 mA / 640 mA $n_b = 1272$	optics correction (LER QC1s)		physics run 800 mA / 640 mA $n_b = 1272$	physics run LER / HER tune scan (y)
B: Evening			QCS quench due to cryogenic operation error		Resume MR operation optics correction	HER XRM trouble	
			QCS initialization optics correction				

	December						
	11 (Sat)	12 (Sun)	13 (Mon)	14 (Tue)	15 (Wed)	16 (Thu)	17 (Fri)
C: Owl			physics run 650 mA / 520 mA $n_b = 1272$	D02-LER chiller trouble			
A: Day	physics run 900 mA / 720 mA $n_b = 1272$	physics run 900 mA / 720 mA $n_b = 1272$	HER optics correction	physics run 930 mA / 750 mA $n_b = 1370$	physics run 960 mA / 770 mA $n_b = 1370$	physics run 980 mA / 790 mA $n_b = 1370$	physics run 1000 mA / 800 mA $n_b = 1370$
		earthquake -- HER vertical emittance blowup, bad injection	Belle II collimator study		KL A1B down (frequently)	Linac laser shutter trouble (25 Hz rep.)	
B: Evening		physics run 650 mA / 520 mA $n_b = 1272$	physics run 900 mA / 720 mA $n_b = 1272$	Belle II local run (no beam) wire scanner	LC7 displacement monitor		
			physics run 900 mA / 720 mA $n_b = 1370$				

	December									
	18 (Sat)	19 (Sun)	20 (Mon)	21 (Tue)	22 (Wed)	23 (Thu)	24 (Fri)			
C: Owl			Linac e- RF gun tuning	physics run optics study (4:00 -)	physics run optics study (4:00 -)	Beam-Beam	Beam-Beam	Machine study or physics run	2021c 65 days	
A: Day	physics run 1020 mA / 800 mA n _b = 1370 HER RF -1 mode tuning	physics run 1020 mA / 820 mA n _b = 1370 LER LFB cable trouble	Belle II background study (8:00 - 13:30)		LER gated tune (9:00 - 14:00)	HER XRM (9:00 - 14:00)	LER TMCI	HER injection	MR winter shutdown Linac/BT/DR study	
			LER chrom. X-Y coupling	HER corona graph	Beam-Beam (14:00 -)	Beam-Beam (14:00 -)	LER TMCI collimator D06V2 (- 20:00)	HER injection		
B: Evening			LER chrom. X-Y coupling	HER corona graph	Beam-Beam	Beam-Beam	LER injection (20:00 -)	HER injection		
			LER sextupole (DA survey)	HER corona graph	Beam-Beam	Beam-Beam	LER injection	HER injection		

2022	February						
	19 (Sat)	20 (Sun)	21 (Mon)	22 (Tue)	23 (Wed)	24 (Thu)	25 (Fri)
C: Owl				LER BPM gain mapping HER BPM gain mapping LER vacuum scrubbing 50 mA HER vacuum scrubbing 50 mA	LER vacuum scrubbing 200 mA HER vacuum scrubbing 200 mA	LER vacuum scrubbing 200 mA HER vacuum scrubbing 200 mA	LER vacuum scrubbing $\beta_y^* = 8$ mm (250 mA) HER vacuum scrubbing $\beta_y^* = 8$ mm (220 mA)
A: Day			KCG meeting 9:00 - Linac trouble : trigger FANOUT module	LER BxB FB tuning	LER injection tuning LER septum tuning	LER injection tuning LER kicker jump LER septum tuning LER impedance meas.	find collision bucket Beam-Beam Scan (H) Beam-Beam Scan (V) injection tuning
			LER $\beta_y^* = 48.6$ mm Find COD LER BCM	LER injection tuning LER kicker timing D06H3 collimator check		LER vacuum scrubbing HER vacuum scrubbing LER MQFWOP4 HER $\beta_y^* = 81 \rightarrow 8$ mm	L/H: 250 mA/300 mA injection tuning LER injection kicker : accidental fire
B: Evening			LER optics correction LER injection tuning	LER kicker jump LER kicker height	LER vacuum scrubbing HER vacuum scrubbing	LER $\beta_y^* = 48.6 \rightarrow 8$ mm LER optics correction LER BxB FB tuning	LER collimator calibration
			HER $\beta_y^* = 81$ mm Find COD HER BCM HER BxB FB tuning			LER impedance meas.	HER collimator calibration

2022	February			March			
	26 (Sat)	27 (Sun)	28 (Mon)	1 (Tue)	2 (Wed)	3 (Thu)	4 (Fri)
C: Owl	LER vacuum scrubbing stopped due to kicker (K1-1) accidental fire HER vacuum scrubbing $\beta_y^* = 8$ mm (300 mA)	LER vacuum scrubbing $\beta_y^* = 8$ mm (200 mA) HER vacuum scrubbing $\beta_y^* = 8$ mm (300 mA)	LER vacuum scrubbing $\beta_y^* = 8$ mm (200 mA) HER vacuum scrubbing $\beta_y^* = 8$ mm (300 mA)	LER vacuum scrubbing HER vacuum scrubbing	LER vacuum scrubbing HER vacuum scrubbing	physics run 300 mA / 240 mA (783)	
A: Day	K1-1 thyatron replacement LER vacuum scrubbing HER vacuum scrubbing	LER vacuum scrubbing HER vacuum scrubbing	LER $\beta_y^* = 8 \rightarrow 2$ mm LER optics correction	LER impedance meas.	maintenance	physics run 300 mA / 240 mA (783)	physics run 400 mA / 320 mA (783)
			LER impedance meas. LER $\beta_y^* = 2 \rightarrow 1$ mm LER optics correction				LER injection kicker K2: kick angle tuning physics run 500 mA / 400 mA (783)
B: Evening	LER vacuum scrubbing HER vacuum scrubbing	LER vacuum scrubbing HER vacuum scrubbing	LER impedance meas.	LER impedance meas. Linac electron tuning	LER BPM gain mapping HER BPM gain mapping		Belle II background
			HER 2-bunch injection		LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning		

2022	March						
	5 (Sat)	6 (Sun)	7 (Mon)	8 (Tue)	9 (Wed)	10 (Thu)	11 (Fri)
C: Owl		RF D04G μ TCA trouble					Earthquake optics correction
A: Day	physics run 550 mA / 440 mA (783) RF D10C tuner trouble	physics run 550 mA / 440 mA (783)	physics run 550 mA / 440 mA (978)	physics run 600 mA / 480 mA (978)	BWDNLP(34) PS trouble physics run 650 mA / 520 mA (978)	physics run 700 mA / 560 mA (978)	QCS quench (LER)
							optics correction collision tuning
B: Evening			Belle II local run Belle II collimator calibration and tuning HER XRM, BTeV study				physics run 700 mA / 560 mA (978)
			Belle II collimator calibration and tuning				

2022	March						
	12 (Sat)	13 (Sun)	14 (Mon)	15 (Tue)	16 (Wed)	17 (Thu)	18 (Fri)
C: Owl						earthquake (level 5-) QCS/ECS quench	physics run 500 mA / 400 mA (1272)
A: Day	physics run 700 mA / 560 mA (978) QCS oxygen alarm Belle II environment monitor abort	physics run 700 mA / 560 mA (978)	physics run 700 mA / 560 mA (978)	physics run 700 mA / 560 mA (1272)	maintenance Linac M2-D cooling water valve work (- 17:00 max)	BWDNPL (34) PS trouble	Linac KL-A3 replacement HER XRM trouble
			LER chromatic X-Y with rotating sextupoles			HER optics correction Linac A3 unit trouble	optics measurement injection tuning collision tuning
B: Evening		Belle II - KEKB gateway abort	LER chromatic X-Y with rotating sextupoles		LER BPM gain mapping HER BPM gain mapping LER ch. X-Y (back to Mar. 13)	Linac/BT tuning w/o A3 BWDNLP PS work	physics run 700 mA / 560 mA (1272)
			ch. X-Y new setting		LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning	BWDNLP PS work LER optics correction	LER injection kicker accidental fire (K1-3)

2022	March						
	19 (Sat)	20 (Sun)	21 (Mon)	22 (Tue)	23 (Wed)	24 (Thu)	25 (Fri)
C: Owl	physics run 300 mA / 240 mA (783)					physics run 600 mA / 480 mA (1272)	
A: Day	LER injection kicker tuning HER optics correction	physics run 700 mA / 560 mA (1272)	physics run 700 mA / 560 mA (1272) HER BxB FB +4.4 dB	physics run 700 mA / 560 mA (1272)	physics run 850 mA / 680 mA (1272)	LER collimator tuning	physics run 700 mA / 560 mA (1272) 750 mA / 600 mA (1272) 800 mA / 640 mA (1272)
	physics run 300 mA / 240 mA (783)			physics run 750 mA / 600 mA (1272) physics run 800 mA / 640 mA (1272)	physics run 900 mA / 720 mA (1272)		
B: Evening	physics run 500 mA / 400 mA (1272)					physics run 700 mA / 560 mA (1272)	
	physics run 700 mA / 560 mA (1272)				LER large beam loss D06V1 damaged		

2022	March						April
	26 (Sat)	27 (Sun)	28 (Mon)	29 (Tue)	30 (Wed)	31 (Thu)	1 (Fri)
C: Owl					physics run 800 mA / 640 mA (1272)		
A: Day	physics run 800 mA / 640 mA (1272)	physics run 800 mA / 640 mA (1272)	LER tune shift meas. LER single beam study	physics run 800 mA / 640 mA (1272)	maintenance	physics run 800 mA / 640 mA (1370)	physics run 850 mA / 680 mA (1370)
			high bunch current collision with D06V1 open / BxB FB off	LER SR monitor HER chromatic X-Y with skew sextupoles		physics run 850 mA / 680 mA (1370)	collimator tuning
B: Evening	Linac RF gun: laser			HER IP angle adjustment	Linac resume A3 unit LER BPM gain mapping HER BPM gain mapping LER QC1 BPM study		LER optics correction HER optics correction HER chromaticity correction
				physics run 800 mA / 640 mA (1272)	LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning		

2022	March						April
	26 (Sat)	27 (Sun)	28 (Mon)	29 (Tue)	30 (Wed)	31 (Thu)	1 (Fri)
C: Owl					physics run 800 mA / 640 mA (1272)		
A: Day	physics run 800 mA / 640 mA (1272)	physics run 800 mA / 640 mA (1272)	LER tune shift meas. LER single beam study	physics run 800 mA / 640 mA (1272)	maintenance	physics run 800 mA / 640 mA (1370)	physics run 850 mA / 680 mA (1370)
			high bunch current collision with D06V1 open / BxB FB off	LER SR monitor HER chromatic X-Y with skew sextupoles		physics run 850 mA / 680 mA (1370)	collimator tuning
B: Evening	Linac RF gun: laser			HER IP angle adjustment	Linac resume A3 unit LER BPM gain mapping HER BPM gain mapping LER QC1 BPM study		LER optics correction HER optics correction HER chromaticity correction
				physics run 800 mA / 640 mA (1272)	LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning		

2022	April						
	2 (Sat)	3 (Sun)	4 (Mon)	5 (Tue)	6 (Wed)	7 (Thu)	8 (Fri)
C: Owl						RF D07C KLY OC	
A: Day	physics run 850 mA / 680 mA (1370)	physics run 850 mA / 680 mA (1370)		beam-beam study: HBCC / HBCC with FB ON and OFF	2-bunch injection	LER injection kicker study: inductance	physics run 950 mA / 740 mA (1370) QCS quench (LER)
	physics run 875 mA / 700 mA (1370)		Linac tuning HER optics correction / single beam study				QCS initialization Linac tuning LER optics correction HER optics correction
B: Evening			physics run 875 mA / 700 mA (1370)	Belle II local run Linac wire scanners LER/HER optics correction	physics run 900 mA / 720 mA (1370)	physics run 900 mA / 720 mA (1370)	physics run 900 mA / 720 mA (1370)
				physics run 875 mA / 700 mA (1370)			

2022	April						
	9 (Sat)	10 (Sun)	11 (Mon)	12 (Tue)	13 (Wed)	14 (Thu)	15 (Fri)
C: Owl						physics run 700 mA / 560 mA (1565) BTe BH1E_11_15 PS trouble LER abort due to BTe mag. initialization	LER abort due to injection beam
A: Day	physics run 900 mA / 720 mA (1370)	physics run 900 mA / 720 mA (1370)	physics run 900 mA / 720 mA (1565)	physics run 900 mA / 720 mA (1565)	maintenance	injection tuning D11 RF SCC: He control NIM PS trouble	BTe BH1E_11_15 PS
			2-bunch injection tuning RF D07C KLY UC/OC	LER $\beta_y^* = 0.8$ mm		No beam Linac tuning	LER injection tuning
B: Evening	RF D07C KLY OC HER 1-bunch injection		LER RF D07C detuned		LER BPM gain mapping HER BPM gain mapping	HER optics correction HER chromaticity meas. HER injection tuning HER collimator tuning	physics run 900 mA / 720 mA (1565)
					LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning	HER -1 mode damper amp off ($\rightarrow$ on)	

2022	April						
	16 (Sat)	17 (Sun)	18 (Mon)	19 (Tue)	20 (Wed)	21 (Thu)	22 (Fri)
C: Owl				earthquake (level 3)			
A: Day	physics run 900 mA / 720 mA (1565)	physics run 900 mA / 720 mA (1565)	physics run 925 mA / 740 mA (1565)	physics run 950 mA / 760 mA (1565) Linac EVENT system trouble	baking run 1000 mA / 800 mA (1565)	baking run 900 mA / 720 mA (1662) 1000 mA / 800 mA (1662)	baking run 1025 mA / 820 mA (1662)
			physics run 950 mA / 760 mA (1565)	HER optics correction baking run 975 mA / 780 mA (1565) RF tuning physics run 975 mA / 780 mA (1565)	physics run 1000 mA / 800 mA (1565)	physics run 1000 mA / 800 mA (1662)	physics run 1025 mA / 820 mA (1662)
B: Evening							

2022	April						
	23 (Sat)	24 (Sun)	25 (Mon)	26 (Tue)	27 (Wed)	28 (Thu)	29 (Fri)
C: Owl				BTp BPM FO trouble	LER optics correction Linac RF gun laser physics run 1050 mA / 840 mA (1662)	off-resonance run target: 30 fb ⁻¹ physics run 900 mA / 720 mA (1662)	
A: Day	physics run 1025 mA / 820 mA (1662) BTp BPM FO trouble Linac QDA23 PS trouble	physics run 1025 mA / 820 mA (1662)	baking run 1050 mA / 840 mA (1662)	Linac trouble BT/RTL BPM trouble LER D04 vacuum trouble Linac RF gun tuning	maintenance		physics run 950 mA / 760 mA (1662) BTe VT17E PS
			HER optics correction physics run 1050 mA / 840 mA (1662)	Linac/BT tuning LER orbit adjust (D04)		LER optics correction Linac/BT tuning	BTe B1E magnet PS water stop
B: Evening			injection tuning HER BxB FB tuning	LER vacuum scrubbing HER injection tuning D09H1/CLAWS aborts	off-momentum: -60 MeV LER BPM gain mapping LER QuadBPM LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction	HER optics measurement injection tuning collimator tuning	
				HER TBT BPMs HER optics correction HER injection tuning HER collimator tuning	HER BPM gain mapping HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction injection tuning collision tuning	physics run 950 mA / 760 mA (1662)	HER aborts due to injection beam

2022	April	May					
	30 (Sat)	1 (Sun)	2 (Mon)	3 (Tue)	4 (Wed)	5 (Thu)	6 (Fri)
C: Owl	physics run 950 mA / 760 mA (1662) Linac KL45 unstable	physics run 950 mA / 760 mA (1662)	physics run 950 mA / 760 mA (1662)	physics run 1000 mA / 800 mA (1662) LER 2-bunch injection trouble			physics run 850 mA / 650 mA (1662)
A: Day	Linac: change KL45 with KL41 physics run 950 mA / 760 mA (1662)	physics run 950 mA / 760 mA (1662) HER injection phase HER optics correction	physics run 975 mA / 780 mA (1662)	physics run 1000 mA / 800 mA (1662)	physics run 1000 mA / 800 mA (1662)	physics run 1000 mA / 800 mA (1662)	LER/HER optics correction linac tuning
			physics run 1000 mA / 800 mA (1662)				Linac: change KL41 with KL45 injection tuning
B: Evening	physics run 950 mA / 760 mA (1662) Linac magnet trouble	physics run 950 mA / 760 mA (1662)	physics run 1000 mA / 800 mA (1662)			physics run 850 mA / 640 mA (1662)	physics run 975 mA / 780 mA (1662)

2022	May						
	7 (Sat)	8 (Sun)	9 (Mon)	10 (Tue)	11 (Wed)	12 (Thu)	13 (Fri)
C: Owl	physics run 975 mA / 780 mA (1662)	physics run 1000 mA / 800 mA (1662)	physics run 1050 mA / 840 mA (1662)	physics run 1125 mA / 900 mA (1662)			
A: Day	physics run 975 mA / 780 mA (1662)	physics run 1000 mA / 800 mA (1662)	baking run 1075 mA / 860 mA (1662) physics run 1075 mA / 860 mA (1662)	baking run 1150 mA / 920 mA (1662) physics run 1150 mA / 920 mA (1662)	maintenance	physics run 1000 mA / 800 mA (1662)	physics run 1100 mA / 880 mA (1662)
			baking run 1100 mA / 880 mA (1662) physics run 1100 mA / 880 mA (1662)	baking run 1150 mA / 920 mA (1759) physics run 1150 mA / 920 mA (1759)		LER IP v-angle scan	
B: Evening	physics run 1000 mA / 800 mA (1662)	physics run 1050 mA / 840 mA (1662)	baking run 1125 mA / 900 mA (1662) physics run 1125 mA / 900 mA (1662)	physics run 1150 mA / 920 mA (1759)	to on-momentum LER BPM gain mapping HER BPM gain mapping	LER IP v-angle scan	
					LER β_y^* = 8 $\rightarrow$ 1 mm LER optics correction HER β_y^* = 8 $\rightarrow$ 1 mm HER optics correction collision tuning		

2022	May						
	14 (Sat)	15 (Sun)	16 (Mon)	17 (Tue)	18 (Wed)	19 (Thu)	20 (Fri)
C: Owl				physics run 1150 mA / 920 mA (1162)			physics run 200 mA / 160 mA (783)
A: Day	HER abort kicker cooling system sequencer trouble physics run 1100 mA / 880 mA (1662)	physics run 1100 mA / 880 mA (1662)	β_y^* : 1 mm Back to April 24 (6:00 am) optics and orbit optics correction	physics run 1150 mA / 920 mA (1162)	collimator tuning	LER optics measurement orbit scan at D06V1 with horizontal bump	physics run 200 mA / 160 mA (783)
			linac tuning injection tuning	baking run 1175 mA / 940 mA (1162) QCS quench (QC1LP) D06V1 pressure burst		LER/ HER BPM gain mapping β_y^* : 1 mm $\rightarrow$ 0.8 mm	D06V1 collimator work Linac/BT tuning fast kicker tuning
B: Evening	LER/ HER optics correction for reset v- angle at IP		collision tuning physics run 500 mA / 400 mA (1662)	D06V1 collimator trouble	physics run 1000 mA / 800 mA (1162)	optics correction	physics run 200 mA / 160 mA (783) physics run 300 mA / 240 mA (783)
			physics run 1125 mA / 900 mA (1662)			physics run 200 mA / 160 mA (783)	physics run 400 mA / 320 mA (783) physics run 500 mA / 400 mA (783)

2022	May						
	21 (Sat)	22 (Sun)	23 (Mon)	24 (Tue)	25 (Wed)	26 (Thu)	27 (Fri)
C: Owl	physics run 500 mA / 400 mA (783)			physics run 750 mA / 600 mA (1565)	physics run 400 mA / 320 mA (1565) linac magnet trouble	physics run 750 mA / 560 mA (1565)	physics run 775 mA / 620 mA (1565)
A: Day	physics run 650 mA / 520 mA (1565)	physics run 650 mA / 520 mA (1565)	physics run 750 mA / 600 mA (1565)	DR injection kicker E/O trouble	physics run 650 mA / 520 mA (1565)	lifetime measurement high bunch current collision study	physics run 1050 mA / 840 mA (1759)
		physics run 700 mA / 560 mA (1565)	injection tuning HER optics measurent	Belle env. mon trouble injection tuning linac/BT tuning HER septum 25 Hz	linac magnet trouble	β_y^* : 0.8 mm $\rightarrow$ 1 mm optics correction	
B: Evening		physics run 750 mA / 600 mA (1565)	LER collimator tuning injection tuning	injection tuning LER optics measurement linac/BT tuning e+ linac charge: 2 nC SVD local run	physics run 750 mA / 560 mA (1565)	injection tuning	
			physics run 600 mA / 480 mA (1565)			collimator tuning	

2022	May	June					
	28 (Sat)	29 (Sun)	30 (Mon)	31 (Tue)	1 (Wed)	2 (Thu)	3 (Fri)
C: Owl		physics run 1100 mA / 880 mA (1857)	Linac e- 2nd laser down Belle local run		BTe BH1E PS tracking err BTp BH1P PS down	physics run 1150 mA / 920 mA (2053)	physics run 1300 mA / 1040 mA (2151)
A: Day	physics run 1050 mA / 840 mA (1857) LER BLC2LP PS trouble	physics run 1100 mA / 880 mA (1857) LER BLC2LP PS trouble HER septum trouble	LER/HER optics correction linac/BT tuning	baking run physics run 1150 mA / 920 mA (1955)	baking run physics run 1200 mA / 960 mA (2053)	LER/HER optics correction linac tuning	LER vacuum work (OHO) linac tuning
		LER RF D08 window temp HER X-Y coup. correction	physics run 1150 mA / 920 mA (1857)	baking run physics run 1200 mA / 960 mA (1955)	baking run physics run 1250 mA / 1000 mA (2053)	HER XRM work RF trouble tunnel work	baking run 1350 mA / 1080 mA (2151) QCS quench (QC1LP,QC2LP) D06V1,D02V1 damaged
B: Evening		LER RF D08 window temp Linac e- 2nd laser down	physics run 1150 mA / 920 mA (1857)		LER QKI6P tuning	baking run 1250 mA / 1000 mA (2151) 1300 mA / 1040 mA (2151)	Recover from QCS quench LER/HER optics correction collimator tuning
					QCS quench (QC1LP,QC1RP)	physics run 1300 mA / 1040 mA (2151)	physics run 1100 mA / 880 mA (2151)

2022	June						
	4 (Sat)	5 (Sun)	6 (Mon)	7 (Tue)	8 (Wed)	9 (Thu)	10 (Fri)
C: Owl	physics run 1300 mA / 1040 mA (2151)	physics run 1200 mA / 960 mA (2151) BTe BH1E PS tracking errr	physics run 1200 mA / 960 mA (2151)	HER QD1E tracking error HER QD1E magnet initialization		QCS quench (QC1LP,QC1RP) QCS quench (QC1LP,QC1RP)	physics run 1250 mA / 1000 mA (2249)
A: Day	physics run 1300 mA / 1040 mA (2151)	physics run 1250 mA / 1000 mA (2151)	physics run 1300 mA / 1040 mA (2151)	baking run 1300 mA / 1040 mA (2151)	baking run 1350 mA / 1080 mA (2249)	linac network trouble	
			LER/HER optics correction linac tuning	HER QD1E magnet initialization		linac e- RF gun tuning (13:00 - 17:00) MR magnet ON tunnel work available	
B: Evening	physics run 1200 mA / 960 mA (2151)	physics run 1220 mA / 980 mA (2151) BTe BH1E_11_!5 PS	linac/BT tuning collimator tuning	LER/HER optics correction (4/24 6:00 for HER) linac tuning		linac network trouble introduce D06 opt. fiber abort system	
			physics run 1300 mA / 1040 mA (2151)	baking run 1250 mA / 1000 mA (2249)	baking run 1400 mA / 1120 mA (2249) Lp: 4.65x10 ³⁴ w/ Belle II	physics run 1250 mA / 1000 mA (2249)	HER optics correction

2022	June						
	11 (Sat)	12 (Sun)	13 (Mon)	14 (Tue)	15 (Wed)	16 (Thu)	17 (Fri)
C: Owl	physics run 1200 mA / 960 mA (2249)	physics run 1200 mA / 960 mA (2249)			physics run 1250 mA / 1000 mA (2346)	physics run 1000 mA / 800 mA (2346)	
A: Day	physics run 1200 mA / 960 mA (2249)	physics run 1200 mA / 960 mA (2249)		physics run 1250 mA / 1000 mA (2346)	maintenance (MR only)	physics run 1050 mA / 840 mA (2346)	
			baking run 1250 mA / 1000 mA (2346)	physics run 1300 mA / 1040 mA (2346)		physics run 1100 mA / 880 mA (2346)	physics run 1250 mA / 1000 mA (2346)
			HER optics correction linac e- tuning	QCS (QC1P) quench			power consumption limit
B: Evening	physics run 1200 mA / 960 mA (2249) HER D09V1 damaged ?	physics run 1200 mA / 960 mA (2249)	physics run 1200 mA / 960 mA (2346)	LER/HER optics correction	LER BPM gain mapping HER BPM gain mapping	physics run 1150 mA / 920 mA (2346)	physics run 1100 mA / 880 mA (2346)
			collimator tuning (HER)		LER $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction	physics run 1200 mA / 960 mA (2346)	linac tuning HER collimator tuning (D09V1 and D12V4, etc.)
				physics run 1250 mA / 1000 mA (2346)	HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning		

2022	June						
	18 (Sat)	19 (Sun)	20 (Mon)	21 (Tue)	22 (Wed)	23 (Thu)	24 (Fri)
C: Owl				physics run 1350 mA / 1080 mA (2346)	1460 mA / 1143 mA (2249) L _p : 4.71x10 ³⁴ w/o Belle II 9:00 MR stop		
A: Day	physics run 1250 mA / 1000 mA (2346) Power consumption limit	physics run 1250 mA / 1000 mA (2346) Power consumption limit	physics run 1300 mA / 1040 mA (2346) Power consumption limit	LER optics correction LER tune shift LER blowup study e- RF gun tuning	maintenance		
			e- RF gun tuning LER beam blowup study	HER optics correction HBCC study			
B: Evening			LER tune shift study	collision tuning luminosity tuning	linac/BT study		
					linac/BT study		