

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	LER optics correction Linac/BT tuning	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
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) 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 950 mA / 760 mA (1662)		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 $\beta_y^* = 8 \rightarrow 1$ mm LER optics correction HER $\beta_y^* = 8 \rightarrow 1$ 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 measurement	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 BLC2LP PS trouble 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	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
		Linac e- 2nd laser down				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) BTw 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) L _p : 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)	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.)
	HER D09V1 damaged ?			physics run 1250 mA / 1000 mA (2346)	HER $\beta_y^* = 8 \rightarrow 1$ mm HER optics correction collision tuning	physics run 1200 mA / 960 mA (2346)	

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		

2022	June						July
	25 (Sat)	26 (Sun)	27 (Mon)	28 (Tue)	29 (Wed)	30 (Thu)	1 (Fri)
C: Owl							9:00 DR/BT stop
A: Day							shutdown (LS1)
B: Evening							