

2024	January					February	
	27 (Sat)	28 (Sun)	29 (Mon)	30 (Tue)	31 (Wed)	1 (Thu)	2 (Fri)
C: Owl				HER Vacuum Scrubbing 3 mA	HER Vacuum Scrubbing 60 mA LER RF 10 kW Keep	HER Vacuum Scrubbing 100 mA LER Vacuum Scrubbing 100 mA	HER Vacuum Scrubbing 140 mA LER Vacuum Scrubbing 160 mA
A: Day			Tunnel Patrol (1 h) HER $\beta_y^* = 81.0$ mm Hardware Check	HER BCM HER BxB FB Adj.	HER BPM Gain Mapping	LER Abort Adj.	HER BxB FB Adj.
			Find HER COD HER RF OFF	HER X-Y Coupling Corr. HER Beta Corr. HER Ver. Dispersion Corr.	LER RF ON LER > 100 turns Stored Beam (6 mA) LER BCM LER BxB FB Adj.	LER D05V1 Orbit (Local Bump Adj.) LER X-Y Coupling Corr. LER Beta Corr. LER Ver. Dispersion Corr.	LER Tune Setting Trouble Acoustic Sensor (SBL)
B: Evening			Find HER COD HER RF OFF	HER vacuum scrubbing 60 mA	LER Skew Sextupole (SK2: -6 to -1 m ⁻²) LER Orbit at D05V1	HER Orbit Corr. LER Orbit Corr. LER X-Y Coupling Corr. LER Beta Corr. LER Ver. Dispersion Corr.	Acoustic Sensor (SBL)
			Find HER COD HER RF ON HER 30 turns HER Tune (H) Adj. Stored Beam (0.26 mA)	LER $\beta_y^* = 48.6$ mm (SNAP $\beta_y = 100$ m) Find LER COD LER RF OFF LER 4 turns	LER Orbit at D05V1 LER X-Y Coupling Corr.	LER Injection Tuning LER TBT BPM (Injection) LER BxB FB Adj.	Acoustic Sensor (SBL) HER Injection Tuning HER TBT BPM

2024	February						
	3 (Sat)	4 (Sun)	5 (Mon)	6 (Tue)	7 (Wed)	8 (Thu)	9 (Fri)
C: Owl	HER Vacuum Scrubbing 155 mA LER Vacuum Scrubbing 160 mA	HER Vacuum Scrubbing 330 mA LER Vacuum Scrubbing 330 mA	HER Vacuum Scrubbing 400 mA LER Vacuum Scrubbing 325 mA	HER Vacuum Scrubbing 400 mA LER Vacuum Scrubbing 330 mA	HER Vacuum Scrubbing 400 mA LER Vacuum Scrubbing 340 mA	HER Vacuum Scrubbing 500 mA LER Vacuum Scrubbing 400 mA	HER Vacuum Scrubbing 540 mA LER Vacuum Scrubbing 450 mA
A: Day	HER Vacuum Scrubbing 250 mA LER Vacuum Scrubbing 250 mA	HER Vacuum Scrubbing 400 mA LER Vacuum Scrubbing 340 mA	NEG Activation	Injection Kicker Tuning HER RF Kick Test	LER D05V1 Study HER Aperture Study	HER 540 mA LER 450 mA LER Chromaticity LER D05V1 Study	LER/HER Chromaticity LER Aperture Study (Hor. Inj. Kicker, TBT BPM)
			NEG Activation	Collision Bucket Timing LER Orbit Correction	LER D05V1 Study	LER Magnet Trouble (BLX4LP, QC1_2RP B3)	Injection Study BT (p) Study
B: Evening	HER Vacuum Scrubbing 300 mA LER Vacuum Scrubbing 300 mA	HER Vacuum Scrubbing 400 mA LER Vacuum Scrubbing 330 mA	HER BPM Gain Mapping HER Quad BPM LER BPM Gain Mapping LER Quad BPM	LER $\beta_y^* = 48.6$ mm (SNAP $\beta_y = 400$ m)	LER D05V1 Study	LER D05V1 Study HER RF Kick (Momentum Acceptance, TBT BPM)	Injection Study BT (p) Study HER RF Kick
			HER Orbit Correction LER Orbit Correction HER Optics Correction LER Optics Correction	LER Skew Sextupole (SK2: -1 to -6 m ⁻²) LER Orbit Correction LER Optics Correction	HER Vacuum Scrubbing 500 mA LER Vacuum Scrubbing 400 mA	LER D05V1 Study	HER Vacuum Scrubbing 600 mA LER Vacuum Scrubbing 550 mA

2024	February						
	10 (Sat)	11 (Sun)	12 (Mon)	13 (Tue)	14 (Wed)	15 (Thu)	16 (Fri)
C: Owl	HER Vacuum Scrubbing 600 mA LER Vacuum Scrubbing 550 mA	HER Vacuum Scrubbing 600 mA LER Vacuum Scrubbing 550 mA	HER Vacuum Scrubbing 600 mA LER Vacuum Scrubbing 550 mA	HER Vacuum Scrubbing 600 mA LER Vacuum Scrubbing 550 mA	HER Vacuum Scrubbing 6 mA LER Vacuum Scrubbing 500 mA	HER Vacuum Scrubbing 50 mA LER Vacuum Scrubbing 100 mA	LER Vacuum Scrubbing 200 mA HER RF D04A KLY COLLECTOR WATER LEVEL
A: Day	Vacuum Scrubbing	Vacuum Scrubbing	Vacuum Scrubbing	HER $\beta_y^* = 81 \rightarrow 8$ mm HER $\beta_y^* = 8 \rightarrow 3$ mm HER $\beta_y^* = 3 \rightarrow 2$ mm HER $\beta_y^* = 2 \rightarrow 1$ mm	HER Optics Correction HER Injection Tuning	LER BPM gain mapping LER Quad BPM	HER $\beta_y^* = 1 \rightarrow 8$ mm HER Quad BPM LER Quad BPM
				HER Optics Correction	HER Injection Tuning HER Optics Correction	LER Quad BPM LER Orbit Tuning LER Optics Correction Find Collision Bucket	HER Quad BPM
B: Evening	Vacuum Scrubbing	Vacuum Scrubbing	Vacuum Scrubbing	HER BxB FB Tuning	HER Injection Tuning HER Aperture Meas. HER Kicker Tuning	HER 120 mA HER RF Kick (Momentum Acceptance, TBT BPM)	HER Orbit Correction
				HER Injection Tuning HER Collimator Tuning	HER Injection Tuning HER Collimator Tuning LER $\beta_y^* = 48.6 \rightarrow 8$ mm HER Kicker Calibration	HER Kicker Calibration HER RF D04A KLY COLLECTOR WATER LEVEL	HER Optics Correction Vacuum Scrubbing HER 200 mA LER 200 mA

2024	February						
	17 (Sat)	18 (Sun)	19 (Mon)	20 (Tue)	21 (Wed)	22 (Thu)	23 (Fri)
C: Owl	HER Vacuum Scrubbing 200 mA LER Vacuum Scrubbing 200 mA	HER Vacuum Scrubbing 500 mA LER Vacuum Scrubbing 500 mA	HER Vacuum Scrubbing 500 mA LER Vacuum Scrubbing 500 mA	HER Vacuum Scrubbing HER 500 mA LER Vacuum Scrubbing LER 500 mA	Test of Physics Run HER 180 mA LER 260 mA	RF D08E KPS WATER FLOW HER Vacuum Scrubbing HER 500 mA LER Vacuum Scrubbing LER 300 mA	Physics Run HER 180 mA LER 260 mA
A: Day			Horizontal Beam-Beam Scan (RF Phase)	BOR Calibration Belle II diamond thres.	Maintenance (regular)	LER Optics Measurement HER Ver. Aperture Meas.	Physics Run HER 180 mA LER 290 mA
			Bucket Selection Trigger Tuning LER TBT BPM Tuning LER Hor. Aperture Meas. LER Injection Tolerance Meas.	HER Hor. Aperture Meas. LER Injection Tolerance Meas.		LER Injection Tolerance Meas.	Simple BOR Calibration HER BOR Calibration
B: Evening			Vertical Beam-Beam Scan	HER RF Kick LER Injection Tolerance Meas. Start of Physics Run	Restart of Operation BCM / BxB FB Tuning BPM Gain Mapping Quad-BPM Detuned → $\beta_y^* = 8$ mm	Collision Tuning	
			Collision Tuning	Collision Tuning	LER/HER Orbit Correction LER/HER Optics Correction	ECL Online Lum. Trouble Physics Run HER 180 mA LER 260 mA	Physics Run HER 360 mA LER 450 mA

2024	February						March
	24 (Sat)	25 (Sun)	26 (Mon)	27 (Tue)	28 (Wed)	29 (Thu)	1 (Fri)
C: Owl	Physics Run HER 360 mA LER 450 mA HER QFROE PS	Physics Run HER 360 mA LER 450 mA	Physics Run HER 410 mA LER 500 mA	LER 500 mA HER SD3ORE PS Trouble HER QFROE PS	Physics Run HER 375 mA LER 470 mA HER QFROE PS	Physics Run HER 200 mA LER 280 mA 5:00 LER Beam OFF	Physics Run HER 250 mA LER 350 mA
A: Day		13:57 LER Inj. Kicker Accidental Fire 14:30 LER Inj. Kicker Accidental Fire	Collision Tune Scan	Acoustic Sensor (D02V1) Linac KL3-4 LER RF D07B (Detuned)	Nikko Cooling Water Pump (Magnet) Linac Machine Study Magnet Initialization	LER D07B KLY Exchange HER Optics Study e- Linac/BT Study	Injection Study (Bayesian Optimization) e- Linac/BT Study
			Injection Tolerance Meas. (HER) HER Ver. Kicker Study LER Collimator Study	LER IP Knob LER Z-Position (meas. +3.91 mm) LER Optics Meas.	13:30 Beam ON HER SD3ORE PS Trouble LER $\beta_y^* = 8 \rightarrow 3$ mm e- BT Study	LER D07B KLY Exchange HER Optics Study e- Linac/BT Study	Radiation Measurement (LER D05V1) HER Machine Study
B: Evening		Physics Run HER 420 mA LER 500 mA	Injection Tolerance Meas. (HER) LER Collimator Study LER Tune Shift Meas.	HER Beam ON HER Optics Check HER TBT BPMs (Inj.)	HER $\beta_y^* = 8 \rightarrow 3$ mm LER/HER Orbit Correction Optics Correction	e- Linac/BT Study LER Optics Study	Collision Tuning
			HER SD3ORE PS Trouble LER 500 mA	Collision Tuning	Collision Tuning Collimator Tuning	Collision Tuning Physics Run HER 200 mA LER 280 mA	Physics Run HER 400 mA LER 500 mA

2024	March						
	2 (Sat)	3 (Sun)	4 (Mon)	5 (Tue)	6 (Wed)	7 (Thu)	8 (Fri)
C: Owl	Physics Run HER 380 mA LER 520 mA Collimator Tuning (LER) MQLC3RP (Bad BPM) Belle II CLAWS Abort	Physics Run HER 380 mA LER 520 mA HER QFROE PS Trouble BTe Energy FB Stop	Physics Run HER 380 mA LER 520 mA RF VODL CONTROL	Physics Run HER 380 mA LER 520 mA 7:00 am Beam OFF Belle II Investigation	HER 60 mA LER 150 mA Linac/BT Study	Physics Run HER 110 mA LER 260 mA	Physics Run HER 180 mA LER 260 mA
A: Day	HER RF D04H PLC CPU	Chiller Trouble (OHO) Tunnel Air Temp. HER RF D04G Tune-Phase LER RF D05A Coupler Temp due to OHO Temp.	Radiation Measurement (Nuclear Regulatory Agency) HER 380 mA LER 520 mA < 5 μSV/h	HER $\beta_y^* = 3 \rightarrow 2$ mm HER $\beta_y^* = 2 \rightarrow 1$ mm HER Orbit Correction	LER $\beta_y^* = 3 \rightarrow 2$ mm LER $\beta_y^* = 2 \rightarrow 1$ mm LER Orbit Correction	Injection Study	Collimator Tuning
			Linac Pulsed Magnet cRIOs Linac/BT Study HER Aperture Mes.	HER Optics Correction	LER Optics Correction	Injection Study	Collimator Tuning Linac/BT Tuning
B: Evening	Belle II CLAWS Abort		Physics Run HER 380 mA LER 520 mA	HER Optics Correction	LER Optics Correction	Collision Tuning	Collision Tuning
			Physics Run HER 380 mA LER 520 mA	Machine Tuning	Collision Tuning	Physics Run HER 180 mA LER 260 mA	Physics Run HER 250 mA LER 360 mA

2024	March						
	9 (Sat)	10 (Sun)	11 (Mon)	12 (Tue)	13 (Wed)	14 (Thu)	15 (Fri)
C: Owl	Physics Run HER 300 mA LER 400 mA	LER RF D08E Chiller Water (Detuned) 4:01 LER Inj. Kicker Accidental Fire Reserver Voltage Adj. RF VODL CONTROL	Physics Run HER 300 mA LER 400 mA Oho Chiller/Water Pump Trouble	Physics Run HER 300 mA LER 400 mA LER RF D08E Chiller Water (Detuned)	Physics Run 1:05, 2:55, 4:58 LER Inj. Kicker Accidental Fire	Physics Run	Physics Run HER 300 mA LER 400 mA
A: Day	Physics Run	Physics Run HER 300 mA LER 400 mA	Linac/BT Study LER D08E Chiller Reset (D08E recovered)	Beam-Beam Study	maintenance (minimum) Linac Study LER RF D08CD Chiller Replacement	Physics Run	Physics Run
			Linac/BT Study LER RF D08CD Chiller Down (Reset ON)	Beam-Beam Study	Linac Study LER RF D08CD Chiller Replacement LER Kicker Reserver Voltage Adj.	Physics Run HER 300 mA LER 400 mA Tsukuba Cooling Water Adjustment	Baking Run (2346) LER 600 mA HER 480 mA Linac/BT Study
B: Evening	Physics Run	Physics Run	Linac/BT Study	Physics Run	Linac/BT Study	LER D05V1 Study	Linac/BT Tuning Matching at 5 sector
			Physics Run HER 300 mA LER 400 mA	Physics Run	Physics Run	LER D05V1 Study Physics Run	Physics Run HER 460 mA LER 600 mA

2024	March						
	16 (Sat)	17 (Sun)	18 (Mon)	19 (Tue)	20 (Wed)	21 (Thu)	22 (Fri)
C: Owl	Physics Run HER 480 mA LER 600 mA LER QN8OP MG NA IL Nikko MG Cooling Water Pump (3:54 - 4:00)	Physics Run HER 480 mA LER 600 mA LER RF D05F Trouble	Physics Run HER 480 mA LER 600 mA HER QFROE_4 Trouble Baking Run	Physics Run HER 300 mA LER 400 mA	Physics Run HER 480 mA LER 600 mA	Physics Run HER 520 mA LER 650 mA	Physics Run HER 560 mA LER 700 mA
A: Day		LER XRM Trouble HER Ver. Emittance Blowup (Slow Drift)	Physics Run HER 520 mA LER 650 mA	Physics Run HER 480 mA LER 600 mA z-Position Adjustment	Physics Run HER 520 mA LER 650 mA	Baking Run HER 560 mA LER 700 mA Physics Run Earthquake HER Optics Correction	Baking Run HER 600 mA LER 750 mA Tune Scan
			LER Crab Waist ON	14:00, 14:15 LER Inj. Kicker Accidental Fire (K1-3) LER Thyatron Replacement		LER RF D05A Trouble LER Optics Correction Physics Run	Beam-Beam Study
B: Evening	18:12 Belle II CLAWS Abort	HER Ver. Tune Scan (43.582 to 43.587)	HER Crab Waist ON Aperture Measurement	Chromaticity Measurement Injection Tolerance Meas	Physics Run HER 520 mA LER 650 mA	Beam-Beam Study	Physics Run HER 600 mA LER 750 mA
			Physics Run HER 300 mA LER 400 mA	Physics Run		Beam-Beam Study Physics Run	

2024	March							
	23 (Sat)	24 (Sun)	25 (Mon)	26 (Tue)	27 (Wed)	28 (Thu)	29 (Fri)	
C: Owl	Physics Run HER 600 mA LER 750 mA	Physics Run HER 640 mA LER 800 mA 8:03 SBL Linac Pulse Magnet	Physics Run HER 620 mA LER 770 mA Many Aborts 7:47 SBL like (H Oscill.)	Physics Run HER 640 mA LER 800 mA	Physics Run HER 640 mA LER 800 mA	Physics Run HER 640 mA LER 800 mA	HER 50 - 100 mA LER 800 mA 5:26 SBL	Physics Run HER 640 mA LER 800 mA 7:20 SBL
A: Day	Physics Run HER 640 mA LER 800 mA 9:14 SBL like (H Oscill.) 10:16 SBL like (H Oscill.) 15:40 SBL like	Physics Run HER 640 mA LER 800 mA	Physics Run HER 620 mA LER 770 mA MAC (9:00 - 17:35)	Physics Run HER 640 mA LER 800 mA MAC (9:00 - 16:40)	maintenance (regular) MAC (11:00 - 12:00)	HER Orbit Correction HER Optics Correction	Baking Run HER 680 mA LER 850 mA 9:50 SBL (HER)	
			14:47 SBL 16:23 SBL like	HER Aborts due to D09 LM PIN VETO D05V1 (± 14 to $+8/-5$ mm)			Physics Run HER 680 mA LER 850 mA	
B: Evening	Physics Run HER 640 mA LER 800 mA 17:17 SBL mini HER Abort Kicker Ceramic Chamber Water Pump	Physics Run HER 640 mA LER 800 mA Linac Tuning HER Inj. Eff. Improve Many Aborts	Physics Run HER 600 mA LER 750 mA	Linac Emittance Measurement Optics Measurement	Restart of Operation BPM Gain Mapping Quad-BPM Detuned $\rightarrow \beta_y^* = 8$ mm $\beta_y^* = 8 \rightarrow 3$ mm	Collisioin Tuning	Physics Run HER 680 mA LER 850 mA HER Injection Tuning	
				Physics Run HER 640 mA LER 800 mA	$\beta_y^* = 3 \rightarrow 1$ mm LER/HER Orbit Correction LER/HER Optics Correction		Physics Run	

2024	March		April				
	30 (Sat)	31 (Sun)	1 (Mon)	2 (Tue)	3 (Wed)	4 (Thu)	5 (Fri)
C: Owl	Physics Run HER 680 mA LER 850 mA	Physics Run HER 680 mA LER 850 mA LER RF D08E Tune Phase	Physics Run HER 680 mA LER 850 mA	Physics Run HER 680 mA LER 850 mA	Physics Run HER 720 mA LER 900 mA LER FB TKW Abort	Physics Run HER 750 mA LER 940 mA	Physics Run HER 800 mA LER 1000 mA
A: Day	LER BLC2LP MG PS Temp LER BLC2LP Initialization	LER RF D08E Tune Phase LER BLC2LP MG PS Temp LER BLC2LP Initialization	LER Orbit Tuning LER Optics Meas. and Correction	Linac 2-Bunch Injection Tuning LER/HER Optics Measurement	Baking Run HER 750 mA LER 940 mA LER/HER Optics Measurement	Baking Run HER 800 mA LER 1000 mA Physics Run Belle II Tunnel Work	Baking Run HER 840 mA LER 1050 mA Physics Run
			Tunnel Work LER RF D08E Tuning Mini Energy Scan	Linac 2-Bunch Injection Tuning Baking Run HER 720 mA LER 900 mA	HER SLYL K1 FB LER SLYL K1 FB Physics Run HER 300 mA LER 400 mA	SLY, SNAP Knobs Test Physics Run	
B: Evening	IP Z-Position Adjustment by LER IP Local Bump	LER RF D08E Detune	Mini Energy Scan	Physics Run LER SNAP K1 FB	Increase Beam Current	LER RF D05B Temp Chiller Water	
			Physics Run HER 680 mA LER 850 mA				