

# CY 2024 LUF Operating Schedule

## Version 1.1

### 12-Dec-2023

FY24												FY25																							
Jan-24			Feb-24			Mar-24			Apr-24			May-24			Jun-24			Jul-24			Aug-24			Sep-24			Oct-24			Nov-24			Dec-24		
1			1			1			1			1			1			1			1			1			1			1			1		
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	Jan		Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec		

Code	Pattern	Description
0		Long Outage Maintenance
0		H- source recycle, Areas open for maintenance
0		Documentation / Shut Down
0		Start Up All Areas / Tune Recovery
0		Start Up Upstream Areas / Maintenance Downstream
0		Warm Standby with Beam Checks
#		Holiday and/or Laboratory Closure
#		Weekend

Code	Pattern	Description	Lujan	T4	T2 linac	T2 PSR	PRAD	UCN	IPF
U1		Production to All Areas with UCN	Y	Y	N	N	N	Y	Y
U1i		H- Production to All Areas with UCN, No IPF	Y	Y	N	N	N	Y	N
P1		Production to All Areas with pRad	Y	Y	N	N	Y	N	Y
P1i		H- Production to All Areas with pRad, No IPF	Y	Y	N	N	Y	N	N
U2		Tgt 2 Linac Beam, Production Other Areas with UCN	Y	N	Y	N	N	Y	Y
P2		Tgt 2 Linac, Production Other Areas with pRad	Y	N	Y	N	Y	N	Y
U3		Tgt 2 PSR Beam with IPF and UCN	N	N	N	Y	N	Y	Y
U3i		Tgt 2 PSR Beam with UCN, No IPF	N	N	N	Y	N	Y	N
P3		Tgt 2 PSR Beam with IPF and pRad	N	N	N	Y	Y	N	Y
I2		IPF Production (when available), Start-Up Downstream	N	N	N	N	N	N	Y
I1		IPF Productionn (when available), Start-Up & Maintenance Downstream	N	N	N	N	N	N	Y
D		Machine Intervention / Studies	N	N	N	N	N	N	N

**Note:**

- Schedule blocks represent 8 hr shifts from 0000-0800, 0800-1600, 1600-2400.
- PRad normal operating hours are typically 0700-1800. PRad and UCN hours are adjusted to account for these typical operating hours.
- Schedule assumes IPF is back in production in throughout January and February, which depends on success reassembling H+ injector and tuning to IPF target.
- Early IPF production in July and August is notional and may be interrupted by tuning activities.

Beam Period	Jan-Feb		Mar-Dec		CY 2024		Start Production
	Shifts	Hours	Shifts	Hours	Shifts	Hours	
Lujan	114	912	282	2256	396	3168	3-Sep-24
pRad	29	319	64	704	93	1023	3-Sep-24
UCN	97	689	218	1552	315	2241	3-Sep-24
WNR Tgt 4	114	912	282	2256	396	3168	3-Sep-24
WNR Tgt 2 PSR	12	96	0	0	12	96	Per Schedule
WNR Tgt 2 linac	0	0	0	0	0	0	Per Schedule
IPF (w/ early start)	126	1008	403	3224	529	4232	7/22/2024 (early)
Machine Studies	3	24	12	96	15	120	Per Schedule