

These are the various observations that should be made during a shift. Numbers in parenthesis are the expected values. If anything is not as it is supposed to be, contact an expert and note it in the shift summary.

Shift Crew: _____

Shift: _____

Date: _____

■ Run monitoring

- ☐ Event builder rate _____ (2000 kB/s - 4000 kB/s when beam is on)
- ☐ Analyzer running
- ☐ Lazy label Tape 1 _____ Tape 2 _____
- ☐ kicker O-scope

■ Raid Status

- ☐ Go to <https://be02:8080> Login as administrator with the mulan password. Check the raid status
- ☐ Check for any alarms

■ Kicker

- ☐ HV setting _____ (12.5 kV)
- ☐ Current reading _____
- ☐ LEDs on kicker cards OK

■ Tape Robots

- ☐ Is it working?
- ☐ Any replaced tapes? _____

■ Separator

- ☐ HV setting _____ (185 kV)
- ☐ Magnet setting _____ (920 w/ HV at 185)

■ EMC

- ☐ EMC HV _____ (3kV)
- ☐ EMC current _____
- ☐ CF₄ bottle pressure _____ (100 bar) demand _____ (0.5 bar)
- ☐ C₄H₁₀ bottle pressure _____ (0.0 bar) demand _____ (0.5 bar)
- ☐ Bubble rate _____ (≈ 0.5 hz)

☐ Gas alarms in ready state

■ Laser

☐ N₂ bottle pressure _____ (≥ 25 bar) demand _____ (5 bar)

☐ If running, laser should make clicking sound

■ Beam

☐ Rate _____ (5-7 MHz)

☐ quality _____

■ Target Open Run

☐ Rate in X buff _____ (5-7 Mhz)

☐ Beam spot OK

☐ check water bottles while in area

■ Online Plots

☐ MPV vs. SN.....comment on oddities: _____

☐ Magnet trend plots.....comment on oddities: _____

■ Additional things

☐ Empty A/C water bottles

☐ Clean up area