

Hall A Startup

Pre-lockup tasks:

1. Check Hall-A magnet string, make sure it is still set up for 5-pass beam. - Ops
2. Turn on the 5th pass RF separator, and re-tune Hall-B beam so that they can take data with the RF separator on - Curt
3. Make an access into the injector to turn on the Hall-A laser - Matt
4. Septum magnets OFF. No Target - Ops

Hall-A locked up (Monday late evening)

Post-lockup tasks:

1. Get the A beam out of the injector, this will involve mostly setting up the appropriate phases - Reza
2. Send A beam (pulsed) around the machine - Ops
3. Set up RF separation of A and B 5pass beam (if not done already) - Ops
4. Establish tune beam to the Hall-A dump - Ops
5. Minimize dispersion leakage/betatron mismatch into the A line - Ops
6. Run fopt/multiharp tool to check disp/betatron match – Alex/Chao
7. Establish CW beam to the Hall-A dump, ramp to 100uA. - Ops
8. Check Hall-A Fast Feedback– Richard/Alex.
9. Online verification of Quick Hall A Momentum Spread Measurement Procedure- Chao
10. Initial energy spread measurement with 8uA CW beam (multiharp).- Chao
11. 1C12 OTR checkout and calibration - Arne
12. Energy spread vs. beam current studies – Arne/Geoff
13. Load 8m disp. optics, re-steer hall line (tune beam) - Alex
14. Establish 100uA CW beam to dump with 8m disp. optics- Alex
15. Energy spread vs. beam current studies (repeat)
16. Check Hall-A Fast Feedback (might need reconfiguration due to new optics) – Richard/Alex.
17. Monitor energy spread stability with fast feedback on for 8hr shift - Ops
18. 1C12 SLI re-commissioning (in parallel with 13) but might need access to BSY if there are instrumentation issues – Arne/Pavel
19. Hall-A dump pavelometer calibration [1 shift] - Degtarenko
20. Septum mis-steering studies, turn the septum back on and study the transport to the dump with the septum at various settings. – Ops
21. Phase trombone software commissioning – Alex/Michelle
22. Phase trombone validation with PZT – Kent