**Checklist to complete before 9/30**

* (Carlos) Finish high voltage conditioning gun for 200 kV operation, hopefully w/o FE
* (Yan/Gary) Test magnets/power supplies + EPICS limits for 200 kV (27% more current)
* (Mark/Reza) Test choppers + amps + EPICS limits for 200 kV (27% more gradient)
* (Scott) Remember if/how to adjust or mask, the gun HV and 15 deg bend FSD bits
* (Carlos) Remember how to adjust the 15 deg HVPS interlock for different gun voltages
* (Marcy) Restore the Gun2 valve operation to Gun2 (buggered now for HV conditioning)
* (Windham) Place 2nd Decarad unit?
* (Shukui) Make sure lasers are ready for operation
* (Joe) Make a photocathode, do a QE scan, pick a spot for restoration

**Beam Tests for week Sep 30 – Oct 4 (about 8 shifts + 2 floats)**

* **MON : RESTORE 130 KV and SCALE to 200 KV**
  + (DAY) Restore INJ SEG @ 130 kV w/ beam to FC1
  + (DAY) Scale magnets, interlocks, FSD’s, HVPS or 200 kV operation
  + (SWING) Restore beam at 200 kV to FC1 (choppers OFF)
* **TUE : TESTING 200 KV BEAM**
  + (DAY) Test PSS Kicker (record deflection, interception)
  + (SWING) Test chopping/de-chopping (record gradients, limitations)
* **WED : TESTING 200 KV BEAM**
  + (DAY) Setup CW beam to FC1
  + (SWING) Measure transmission & bunch length (needs choppers) to FC1
* **THU : FLOAT OR 200 KV BEAM OR BEYOND FC1 REQUIRES INJ/NL**
  + (DAY) Study optics/deflection of small shed electrode
  + (SWING) LIFETIME RUN @ 1 mA
* **FRI : FLOAT OR RESTORE 130 KV FOR FINAL CHECKS**
  + (DAY) Restore original 130 kV magnets, interlocks, FSD’s
  + (DAY) Measure transmission, bunch length, SCL to FC1
  + (SWING) Study optics/deflection of small shed electrode