

# Hall D Mechanical Hall D Shutdown Checklist

**Document ID:** 764

**Group:** Hall D Mechanical

**Subsystem:** Hall D Shutdown

**Author:** Spiegel, Scot (spiegel)

**Submitted By:** Spiegel, Scot (spiegel)

**Revision Number:** 12

**Revision Date:** 20-Dec-2019 12:40

**Revision Comment:** Added lines 9. & 10.

---

**Note\*** Before each shutdown, it should be determined by the detector system owner (Physicist) as to how to secure the experimental systems. Below we indicate the desired status for a SAD when no personnel are expected to monitor the equipment. However, the system may be left in a different state if it is determined that it is safe and appropriate. A log entry should indicate the status of the system.

1. Thin window guards
  1. Tagger window shutter lowered
  2. Reinstalled in Collimator Cave
  3. Reinstalled on Pair Spectrometer
  4. Reinstall on FCAL beampipe
5. Vacuum status.
  1. Goniometer pump ON/OFF
  2. Tagger pump ON/OFF?
  3. Beam line valve VBV5H00 closed (and disconnected)
  4. Beam line pump from Tagger to Collimator Cave ON/OFF
  5. Collimator Cave beam line under vacuum? YES/NO
  6. Valve VBV5H03 OPEN/CLOSED
  7. Pair Spectrometer pump ON/OFF
  8. Solenoid and distribution box pumps ON/OFF
  9. FCAL platform beam pipe vacuum status VACUUM/ATMOSPHERE
10. Cooling
  1. Fan on microscope ON/OFF
  2. BCAL Chillers ON/OFF (Nominal for shutdown 64 degF)
  3. FDC Chiller ON/OFF
  4. Blower CDC ON/OFF
5. Turn off Tagger NMR probe
6. Make a log entry with status of windows, vacuum and cooling
7. Ramp down Solenoid, Turn off Solenoid Power Supply and stop recording PXI data
8. Ramp down pair spec magnet, turn off power supply.

9. Ramp down sweep magnet, turn off power supply.
10. Record status of this checklist into Logbook (HDLOG)
11. Enter HDLOG "Link" to HCO comment block