

Hall D Electronics Hall D Shutdown Checklist

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Group: Hall D Electronics

Subsystem: Hall D Shutdown

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Revision Comment: Change crate power OFF->ON

Note that before each shutdown it should be determined how to secure the experimental systems. Below we indicate the desired status for the winter shutdown when no personnel is 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. The log entry should indicate the status of the system.

1. Secure for shutdown
 1. Radiators retracted
 2. Profile monitor retracted
 3. Collimator in blocked position
 4. TPOL converter retracted
 5. PS convertor retracted
 6. COMPCAL retracted
 7. TAC retracted
8. Magnet power supplies OFF
 1. Tagger (controlled by accelerator)
 2. Sweep
 3. PS
 4. Solenoid
5. Detector Power Status: ON / OFF
 1. BCAL (LV, bias)
 2. CDC (HV, LV)
 3. FCAL. [Note: Usually the Anagate supplies are left ON. But to turn off, first hit the crash button near the door, then power off the connection boxes (on the back) and the power strip on the front.]
 4. CCAL
 5. FDC (HV, LV)
 6. PS, PSC
 7. TAGH
 8. TAGM
 9. TOF

10. ST (Bias, LV)
11. Beam line Voltages (Active Target, TAC, halo)
12. TPOL
13. Drift Chamber gas
 1. Lower gas flow
 2. Bypass alcohol bubbler
3. Keep Power ON
 1. All computers, switches, control modules
 2. Accelerator crates (US1-1, US1-2)
3. Crate Power ON
 1. VXS, VME Hall D.
 2. Set crate fan speeds of shutdown. Usually, turn off temperature feedback and set fans to constant fan speed. See BCAL expert documentation at
Barrel_Calorimeter_Expert#Crate_temperature_feedback
 3. VXS, VME Tagger building
4. Record status in the Log book.
5. Record link to log book entry in checklist comment