



Shutdown Plan

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Work before Shutdown



- Check ISEG HV module
 - 2 have issues, 2 unknown
 - Test backup ISEG module
 - Send ISEG modules with issues to repair
- Check FST module
 - 3 with broken tube, 1 with major leak and 7 with high current
 - Setup test stand at BNL (Flemming's lab or clean room)
 - Check high current modules (7) and verify the status
- Check ARC board
 - Gerard will send the ARC to BNL
 - Use the test stand to check ARC

Work after Shutdown



- Cooling system maintenance
 - fix leaks in the rack, replace filters, etc.
 - Check leaks from the soft hose connection on FST modules
 - needs to pull FST out of the TPC cone and stays on the TPC face
 - Replace soft cooling hose on the detector?
 - needs to bring FST back to clean room
 - need help from CAD to uninstall and reinstall FST
 - few months of work in the clean room
- Check and replace high temperature PPB for module D3-M11
 - Need the pole-tip open to access the PPB on the TPC front face
- Check D1-M12 with fluctuating HV current (might due to grey cable)
 - Need the pole-tip open to switch gray cable or PPB
 - If the issue is not with gray cable or PPB, need to pull FST out of the TPC cone and check T-board and purple cable
- Replace D1-M6 and D3-M2 with high HV currents?
 - needs to bring FST back to clean room
 - similar requirement as replacing the soft cooling hose