

## Wideband July 2003 shutdown worklist

- Don't open Pelletron (crowbar installation will be postponed)
- Remove Solenoid 010 and 050 (Ron & Jerry)
- Repair leak on 050 and re-install (Arnold)
- Replace heater tape on 010, repair BPM conduit, secure feadthrus, re-install (Ron, Greg)
- Mount laser table and laser system (shim table 1.5") (Vitali)
- Conduct magnetic measurements (Vitali)
- Leak check cross under pelletron on collector side and repair as needed
- Install spool and gate valve under gun side vertical port (off of 90-bend) (need to fabricate spool piece)
- Add pumps to cooling section (at 180-bend?) (Henryk, Arnold)
- Remove multi wire and replace with spool piece (need to fabricate spool piece)
- Assemble new gun (Arnold)
- Remove return line shielding coils and install new ones (Tom Kroc)
- As-found alignment of cooling section based on new magnetic measurements (do with redundant crews)
- Close up, leak check, bake, leak check cooling section and any other sections that have been opened to atmosphere.
- Mount pre-amp boxes in the return line
- Relocate flow valves on horizontal 90-bend magnets (Jerry)

## Items of less urgency

- Clean up wires and cable in transferline and cooling line
- Get new controllers (Arnold)
- Sample SF6 gas (Arnold, McGee)
- Install vibration pads under booster pumps
- Replace charcoal filter on water system (Karl Williams)
- Change chiller filters
- Label water manifolding