

**** SPEAR/Beamline Maintenance list for Monday 4/29/02 ******Guidelines for the SPEAR 8 hour maintenance/down period.**

- Beam dumped at 06:00 for maintenance.
- Access ~06:30
- Lock & Tag as necessary upon entry.
- Remove L&T upon leaving!
- Check in with Operations prior to access and after access.
- Inform SPEAR operations of status maintenance task at end of each day.
- The Accelerator Systems Managers MUST be involved with all activities related to their systems.
- SPEAR Operations & Accelerator System Managers MUST confirm that systems are ready for operations prior to 14:00 on Monday

**** SPECIAL instructions:**

| | | | |
|----|---|--------------------|--------|
| | SP3: | | |
| 1. | Walk through with contractors | Boyce, et al | 9-12am |
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| | BL: | | |
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| | Controls: | | |
| 1. | Develop software that talks to the 16-channel SPEAR alarm enunciator. (No ring access) | Rarback | 1hr |
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| | Electrical: | | |
| 1. | BTS Corrector a. Install the CEBAF module in rack 316 slot 8. b. Terminate the trim coil in the ring. c. Test polarity and response checks outs. | Johnson | 2 hr |
| 2. | Measure the E. Straight "moat" area, for fabrication of a steel floor. | Cadapan, Martin | 1 hr |
| 3. | Replace Camac crate (noisy fan) - B122, 8S9 RF station, Rack 23 | Ortiz | 1 hr |
| 4. | No Access: Label cables and document BL5 Control Racks | Wallters, Dao | 8 hr |
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| | Engineering: | | |
| | Facilities: | | |

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| 1. | Site walk for the shielding and electrical work during the coming shutdown:- 20-30 people. | Choi, et al. | 10-12am |
| | Review HV feeds in the East Pit | Shewchuk | 1 hr |
| | Re-lamp light fixtures in the ring. | SEM, Shewchuk | |
| | BL5: | | |
| | Remove a cable tray from under the platform. (The cables will remain connected, and the tray removed from beneath them. This is to disconnect the tray from the platform that will be removed for the beamline 4 work for shutdown.) | | Mon or Tues |
| | I will also be transferring some power at beamline 5, and removing the sprinkler heads from underneath the platform. | Shewchuk, et al | |
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| | MSG: | | |
| | SPEAR: | | |
| 1. | Mechanical Inspections | Huber, Horton | 1 hr |
| 2. | Installing the BTS 12inch corrector magnet(BTS C8-H) | MSG, Vac, Nzeadibe | 8 hr |
| | Injector: | | |
| 1. | Mechanical Inspections | Huber, Horton | 1 hr |
| 2. | Review GTF LCW | Ernst, Scott, Nzeadibe | 1 hr |
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| | MPS & PPS: | | |
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| | RF: | | |
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| | Vacuum: | | |
| 1. | Vacuum visual walkthrough, SPEAR2 and BL's in-alcove. | Neal, Wiertel | 1 hr |

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| 2. | Troubleshoot DIP-4 IP HV power supply apparent current spikes. | Neal, Nalls, Morales | 2 hr |
| 3. | Complete LN2 boiloff line move at BL1, BL2 in-alcove area. | Wiertel, Jacobson | 4 hr |
| 4. | Check LN2 boiloff line in-alcove routing at BL5 and BL6 area in anticipation of BL5 Alcove Project. | Wiertel, Neal, Jacobson | 1 hr |
| 5. | Review West Straight in-alcove LN2 boiloff routing. | Morales, Neal | .5 hr |
| 6. | Review East Straight IP HV patch panel junction box removal to be scheduled during June | Neal, Morales | .5 hr |
| 7. | Troubleshoot Q2-4 ion gauge trips. | Neal, Morales | 1 hr |

<http://www-ssrl.slac.stanford.edu/ets/Schedules/SPMaint/M04-29-02.pdf>