

# Machine Studies

## Draft Schedule for Run02-3, 2011

June 14th 0800 - June 15th 0800

| Time                   | Descriptions  | Studiers            | SR Status                     |
|------------------------|---|---------------------|-------------------------------|
| Tuesday, June 14, 2011 |   |                     |                               |
| 0800-0810              | Collect XBPM orbit data   | OPS                 | Stored Beam & Injection       |
| 0810-0900              | Gap Scans and update IDGapFF look-up tables   | Schroeder           | Stored Beam & Injection       |
| 0900-1400              | Swap klystrons  | Horan               | No beam. No Booster Injection |
| 0900-0930              | Replace P0 feedback amplifier cord  | Gold                | No Beam                       |
| 0900-1200              | Reboot lid iocs, ioclescope & iocrfgtsd1  | Pietryla            | Limited injection             |
| 1100-1130              | Reboot iocbbpm1   | Lenkszus            | No Injection                  |
| 1100-1300              | Install CMPSI cards in iocs39fb   | Lenkszus            | No beam                       |
| 1100-1300              | Troubleshoot B4C3H ground fault   | Hillman             | No Injection                  |
| 1100-1400              | Check booster QD supply/magnet for cause of 360-Hz ripple increase                          | Donley              | No Injection                  |
| 1200-1400              | Injector training (0900-15)   | Bogdan              | Limited Injection             |
| 1300-1400              | Replace canted undulator regulator cards (S21)  | Fors                | No Beam                       |
| 1400-1430              | Verify and adjust booster QD after PS group study   | Yao/Wang, J.        | No injection                  |
| 1400-1430              | Verify canted undulator regulator card replacement in S21                                   | Schroeder           | Stored beam                   |
| 1430-1600              | Study beam excitation   | Wang, C./Yao        | Stored beam & inj.            |
| 1600-1800              | test and run booster corrector bump scan script   | Yao/Shang           | Occ. injection possible       |
| 1600-1800              | test DSP85 AC voltmeter corrector/bpm drive error response measurement and plotting script. | Sereno/<br>Lenkszus | Stored beam                   |
| 1800-1900              | scan and setup P0 feedback delays (24   | Yao                 | Stored beam &                 |

|                          |  |              |                         |
|--------------------------|--|--------------|-------------------------|
|                          | singlets)  |              | injection               |
| 1900-2100                | Hybrid setup with P0 feedback                                      | Sajaev, Yao  | Stored beam & inj.      |
| 2100-2300                | Complete hybrid setup  | Sajaev       | Stored beam & inj.      |
| 2300-2400                | BPM offsets  | Sajaev       | Stored beam & inj.      |
| Wednesday, June 15, 2011 |  |              |                         |
| 0000-0300                | BPM offsets (continued   | Sajaev       | Stored beam & inj.      |
| 0300-0700                | multibunch instability studies, 0-100 mA, standard bunch patterns. | Harkay/ Boon | Stored beam & inj.      |
| 0700-0800                | Prepare for User beam  | OPS          | Stored Beam & Injection |