

Machine Studies

Schedule for Run01-10, 2006

April 3rd 0800 - April 5th 0800

| Time | Descriptions | Studiers | SRStatus |
|------------------|---|-----------------------------|------------------------------------|
| | Monday, 4/3/06 | | |
| 0800-0810 | Collect XBPM orbit data | OPS | Stored Beam & Injection |
| 0810-0845 | Test reboot behavior of siocops with RTFB ioc | Varotto | No Beam |
| 0810-0900 | End to end test of 11BM | Boron | No Beam |
| 0810-1000 | Install ID tags on valves in bakeout system piping | Dortwegt | No Beam |
| 0810-1000 | Linac training/requalification | R. Flood | Limited Injection |
| 0810-1000 | Install and test FEEPS MPS Chassis at 1BM | McNamara | No Beam |
| 0810-1200 | Modify and test the booster septum B:ES1 & B:ES2 | Hillman | No Injection |
| 0830-0900 | Replace the downstream IR detector at cavity #3 | Bromberek | Access Booster |
| 0830-1200 | Validate the Shutters and remove lock's from 24BM | McNamara | Access Zone D |
| 0830-0930 | Swap filter comparators | Erwin | Access Zone D |
| 0900-1200 | Investigate Par RF1 tuner or phase loop dependency on LIST phase shifter | Grelick/T. Smith/Yao | No injection |
| 0900-1000 | Troubleshoot and repair RM10 probe | Vacca | Access Zone F |
| 0900-1000 | Replace xbpm translation stage motor | Hahne | Access Zone F |
| 0930-1000 | Install radiation dosimetry | Grimmer | Access Zone A |

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| 0930-1030 | Swap filter comparators | Erwin | Access Zone A |
| 1000-1100 | Hook up topup injection signal to scope external trigger input. Test new scope pre-set. | Emery/ Schroeder | No beam |
| 1000-1200 | Investigate 360Hz ripple in B:BM | Feng | No Injection |
| 1200-1400 | 2hrs Booster training | Poncin | Limited Injection |
| 1200-1400 | Investigate P1 noise | Singh/Lenkszus/Sun | Stored beam |
| 1400-1600 | BPM tests | Erwin | Stored beam |
| 1400-1600 | Off-energy studies: PAR and Booster setup | Y.Chae, C.Yao, B.Yang | No injection |
| 1600-2000 | Off-energy studies: SR injection & data collection | Y.Chae, C.Yao, B.Yang | Stored beam & Inj. |
| 2000-2200 | Booster/SR phase FF studies | Sereno | Stored beam & Inj. |
| 2200-2400 | multibunch instability studies. Need occasional injection, mostly 100 mA. | Harkay/Guo | Stored beam & Occ. Inj. |
| 2200-2400 | PTB to booster matching studies | Sereno | Occ. Inj. Possible |
| Tuesday, 4/4/06 | | | |
| 2400-0100 | PTB to booster matching studies | Sereno | Occ. Inj. Possible |
| 0000-0300 | multibunch instability studies. | Harkay/Guo | Stored beam & Occ. Inj. |
| 0300-0600 | OPEN (can be used for BPM offset measurements by OPS) | | |
| 0600-0800 | Test new SR Bunch Current Monitor (topup with 324 bunches) | Lenkszus/ Varotto | Stored beam & Inj. |
| 0800-1600 | RHB lattice test with 32-ID and 8-ID users | Borland, Sajaev | Stored beam & Occ. Inj. |

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|--------------------------|--|--------------------------|--|
| 1600-1800 | RTFB study | Singh/ Decker | Stored beam |
| 1800-2200 | XBPM alignment | Decker/Diag | Stored beam & Top-Up |
| 2200-2400 | Injection characterization. Take SR flag images, install new BTS lattice (possibly). S:IS1 thermal effects. | Emery | Stored beam & Inj. |
| Wednesday, 4/5/06 | | | |
| 0000-0100 | Injection characterization. Take SR flag images, install new BTS lattice (possibly). S:IS1 thermal effects. | Emery | Stored beam & Inj. |
| 0100-0400 | Implement a FF for H1 V1 | Emery | Stored beam & Inj. |
| 0400-0700 | OPEN (again can be used for BPM offset measurements by OPS) | | |
| 0700-0800 | Prepare for User beam | OPS | Stored Beam & Injection |