

# Machine Studies

## Schedule for Run03-2, 2005

October 11th 0800 - October 12th 0800

| Time                     | Descriptions   | Studiers             | SRStatus                |
|--------------------------|--|----------------------|-------------------------|
| <b>Tuesday, 10/11/05</b> |  |                      |                         |
| 0800-0810                | Collect XBPM orbit data  | OPS                  | Stored Beam & Injection |
| 0810-1000                | Steer orbit at 23BM.   | Decker               | Stored Beam & Injection |
| 1000-1030                | Reboot BPM IOCS  | Lenkszus             | No Beam                 |
| 1000-1200                | Install thermocouples on slow valve @ 23BM   | Wiemerslage          | Access SR<br>Zone D     |
| 1000-1200                | Test S13A:P1 BPM hardware  | Bui Gold             | Access SR<br>Zone B     |
| 1000-1100                | Test feedback IOC boot effect on SIOCOPS / reboot iocruncontrol                                | Varotto              | No Beam                 |
| 1030-1130                | Replace pressure transmitter on 12ID-BPM2  | Swetin               | No Beam                 |
| 1130-1200                | Investigate RF-3 phase slippage  | Horan                | No Beam                 |
| 1030-1130                | Repair S30A:H4   | PS group             | No beam                 |
| 1200-1230                | Recover SR systems.  | OPS                  | Stored Beam & Injection |
| 1230-1235                | Reboot iocruncontrol with the beam.  | Varotto              | Stored beam & injection |
| 1230-1430                | Booster training.  | S. Flood             | Limited injection       |
| 1235-1430                | Local steering runcontrol testing and transfer software testing. Parallel to booster training. | Emery                | Stored beam             |
| 1430-1700                | Investigate PAR fundamental loop flustuations.   | Smith Yao<br>Grelick | Injeciton possible      |
| 1500-1700                | ID steering optimization. Parallel to PAR work. Shutter required.                              | Borland              | Stored beam             |

| <b>Time</b>                | <b>Descriptions</b>  | <b>Studiers</b>             | <b>SRStatus</b>                    |
|----------------------------|--|-----------------------------|------------------------------------|
| <b>1700-2100</b>           | <b>Commission new linac controllaw for L4 and L5.</b>                          | <b>Pasky Erwin</b>          | <b>Injeciton possible</b>          |
| <b>1700-2100</b>           | <b>Continue combo lattice testing. Parallel to linac controllaw work.</b>      | <b>Borland Emery Sajaev</b> | <b>Stored beam &amp; injection</b> |
| <b>2100-2300</b>           | <b>Linac training</b>  | <b>Poncin</b>               | <b>Limited injection</b>           |
| <b>2100-2300</b>           | <b>S37 scraper conditioning. Parallel to linac training.</b>                   | <b>Harkay Nas-siri</b>      | <b>Stored beam</b>                 |
| <b>2300-2400</b>           | <b>PAR optimization. Requires 2 SR stores from 0.</b>                          | <b>Yao</b>                  |                                    |
| <b>Wednesday, 10/12/05</b> |  |                             |                                    |
| <b>0000-0100</b>           | <b>PAR optimization (continued).</b>   | <b>Yao</b>                  |                                    |
| <b>2300-0100</b>           | <b>Test S13A:P1 bpm and orbit configuration. Parallel to PAR optimization.</b> | <b>Bui Gold</b>             | <b>Stored beam &amp; injection</b> |
| <b>0100-0200</b>           | <b>Measure BTS response.</b>   | <b>Emery</b>                | <b>Stored beam &amp; injection</b> |
| <b>0200-0300</b>           | <b>Optimize injection.</b>   | <b>Emery</b>                | <b>Stored beam &amp; injection</b> |
| <b>0300-0500</b>           | <b>Xbpm studies.</b>   | <b>Hahne</b>                | <b>Stored beam &amp; injection</b> |
| <b>0500-0700</b>           | <b>Investigate S37/C4 tuner position.</b>                                      | <b>RF &amp; OPS</b>         | <b>Stored beam &amp; injection</b> |
| <b>0700-0800</b>           | <b>Prepare for User beam</b>   | <b>OPS</b>                  | <b>Stored Beam &amp; Injection</b> |