

# Machine Studies

## Draft Schedule for Run02-7, 2006

July 10th 0800 - July 12th 0800

| Time                   | Descriptions   | Studiers            | SRStatus                |
|------------------------|--|---------------------|-------------------------|
| <b>Monday, 7/10/06</b> |  |                     |                         |
| 0800-0810              | Collect XBPM orbit data  | OPS                 | Stored Beam & Injection |
| 0810-                  | Condition L4 without affecting beam in linac.  | RF group            |                         |
| 0810-0830              | Reboot iocruncontrol   | Varotto             | No Beam                 |
| 0810-0830              | Switch from RF3 to RF2   | RF Group            | No Beam                 |
| 0810-0845              | Sector 6 GESPAC studies  | Fors                | No Beam                 |
| 0845-1030              | Investigate S22B:Q5 alarms   | Fors                | No Beam                 |
| 0810-0900              | Replace fan in Electrodyne amplifier   | Gold                | No Beam                 |
| 0810-1100              | Linac noise study  | Cours               | No Injection            |
| 0810-1200              | Replace RF loads, modify and test RFTS waveguide system, Investigate collector calorimetry error | RF Group            | No Beam                 |
| 0900-1000              | PEM testing  | Shang/<br>Schroeder | No Beam                 |
| 1000-1200              | Test software and process relating to removal of cold-tuner control hardware at S40              | RF Group            | No Beam                 |
| 1100-1200              | PAR training   | Pasky/Jones         | Limited Injection       |
| 1200-1600              | ID21 shielding verification.   | Randall             | Stored beam & injection |
| 1600-1700              | Setup 324 bunches mode.  | Sajaev              | Stored beam & injection |
| 1700-2100              | Setup orbit for 324 mode.  | Singh               | Stored beam & injection |

| <b>Time</b>               | <b>Descriptions</b>   | <b>Studiers</b>             | <b>SRStatus</b>                        |
|---------------------------|---|-----------------------------|--|
| <b>2100-2400</b>          | <b>Multibunch instability threshold study.<br/>Non-standard patterns.</b>         | <b>Harkay</b>               | <b>Stored beam<br/>&amp; injection</b> |
| <b>Tuesday, 7/11/06</b>   |   |                             |  |
| <b>0000-0200</b>          | <b>Booster training.</b>  | <b>Poncin</b>               | <b>Limited<br/>Injection</b>           |
| <b>0200-0400</b>          | <b>Setup hybrid mode.</b>   | <b>Sajaev</b>               | <b>Stored beam<br/>&amp; injection</b> |
| <b>0400-0700</b>          | <b>Try low alpha lattice.</b>   | <b>Sajaev</b>               | <b>Stored beam<br/>&amp; injection</b> |
| <b>0700-0900</b>          | <b>Test bpms.</b>   | <b>Singh</b>                | <b>Stored beam<br/>&amp; injection</b> |
| <b>0900-1100</b>          | <b>SR training.</b>   | <b>S. Flood</b>             | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>1100-1400</b>          | <b>ID21 shielding verification.</b>   | <b>Randall</b>              | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>1400-1500</b>          | <b>Raise S40 temperature by 1 deg.</b>  | <b>Harkay Nas-<br/>siri</b> | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>1500-1800</b>          | <b>Instability imaging in 24 bunches mode.</b>                                    | <b>Harkay<br/>Yang</b>      | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>1800-2000</b>          | <b>Test new stronger sextupoles.</b>  | <b>Borland</b>              | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>2000-2400</b>          | <b>Study new hard x-ray bpms at ID19. Shut-<br/>ter permit might be required.</b> | <b>Decker<br/>Rosenbaum</b> | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>Wednesday, 7/12/06</b> |   |                             |  |
| <b>0000-0400</b>          | <b>Study new hard x-ray bpms at ID19 (con-<br/>tinued).</b>                       | <b>Decker<br/>Rosenbaum</b> | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>0400-0600</b>          | <b>Booster training.</b>  | <b>Poncin</b>               | <b>Limited<br/>Injection</b>           |
| <b>0600-0700</b>          | <b>Setup bunch current monitor for 324<br/>bunches.</b>                           | <b>Lenkszus<br/>Varotto</b> | <b>Stored Beam<br/>&amp; Injection</b> |
| <b>0700-0800</b>          | <b>Prepare for User beam</b>  | <b>OPS</b>                  | <b>Stored Beam<br/>&amp; Injection</b> |