



# Machine Studies

## Draft Schedule for Run01-5, 2017

February 27th 0800 – March1st 0800

| Time                      | Descriptions   | Studiers     | SR Status               |
|---------------------------|--|--------------|-------------------------|
| Monday, February 27, 2017 |  |              |                         |
| 0800-0810                 | Collect XBPM orbit data  | OPS          | Stored Beam & Injection |
| 0810-0930                 | Gap Scans and update IDGapFF look-up tables                                | Schroeder    | Stored Beam & Injection |
| 0930-1000                 | Reboot interleaving DSPs   | OPS          | No Injection            |
| 0930-1000                 | Switch pumps 509 & 523   | Wright       | No Beam                 |
| 0930-1130                 | Fix standby pump for pump 902  | Wright       | No Beam/ No RF          |
| 0930-1030                 | Install splitters B107 for P3P4 and P3P1                                   | Brill        | No Beam                 |
| 0930-1130                 | Swap out sextupoles for upgrade  | Vargas       | No Beam                 |
| 0930-1130                 | Investigate why BTS:AQ3 is alarming  | Vanis        | No Beam                 |
| 0930-1130                 | Troubleshoot S16C:H1   | Jordan       | No Beam                 |
| 0930-1200                 | Modify LTP:Q10 and L1:RG1:QM4  | Donkers      | No Injection            |
| 1000-1100                 | Run cable for RadiaBeam test   | Hoyt         | Access Linac            |
| 1200-1230                 | Recover injectors/SR   | OPS          | Stored Beam & injection |
| 1230-1300                 | verify orbit correction still works in the PAR after splitter installation | Sereno/Pasky | No injection            |

|                            |  |                        |                         |
|----------------------------|--|------------------------|-------------------------|
| 1300-1700                  | RTFB/Datapool unified feedback steering test                             | Sereno                 | Stored beam             |
| 1330-1530                  | RG2 interleaving lattice study   | Yin-E Sun              | No injection            |
| 1530-1930                  | Booster tune studies   | Harkay, Calvey, Shang  | No injection            |
| 1530-1730                  | look at loss monitor signals in PAR (parasitic to Booster tune studies)  | Dooling, Keane         | No injection            |
| 1930-2230                  | PAR high charge studies (1 Hz)   | Harkay, Calvey         | No injection            |
| 2230-2400                  | setup hybrid lattice   | Sajaev                 | Stored beam & injection |
| Tuesday, February 28, 2017 |  |                        |                         |
| 0000-0230                  | setup hybrid lattice (continued)   | Sajaev                 | Stored beam & injection |
| 0230-0630                  | Orbit switch   | Xiao                   | Stored beam & injection |
| 0800-1200                  | Booster high charge studies (1 Hz), cavity detuning                      | Harkay, Calvey, Berenc | No injection            |
| 1200-1400                  | retake clean HOM data from single bunch beam. (after hybrid mode set up) | Emery                  | Stored beam & injection |
| 1400-1900                  | Booster orbit correction   | Sajaev, Emery, Shang   | Limited injection       |
| 1900-2200                  | test corrector feedforward for ID gaps.                                  | Emery, Shang           | Limited injection       |
| 2200-2400                  | PC gun checkout  | Yin-E Sun              | No injection            |
| Wednesday, March, 2017     |  |                        |                         |
| 0000-0200                  | PC gun checkout (continued)  | Yin-E Sun              | No injection            |
| 0200-0600                  | TBD  | Xiao                   | Stored beam &           |

|                  |                              |            |                                    |
|------------------|------------------------------|------------|------------------------------------|
|                  |                              |            | <b>injection</b>                   |
| <b>0630-0800</b> | <b>Prepare for User beam</b> | <b>OPS</b> | <b>Stored Beam &amp; Injection</b> |