

Machine Studies

Schedule for Run2-9,2002

July 22 0800-July 24 0800

| Time | Descriptions | Studiers | SRStatus |
|--------------------------|---|-------------------------------------|-------------------------------------|
| Monday, 07/22/02 | | | |
| 0800-1000 | Prepare for VIP visit | OPS Borland | Store beam and injection |
| 1000-1200 | Demo | OPS Borland | Store beam and injection |
| 1200-1800 | Refining the S-band switching modes. Linac RF measurement timing vs switching to alternate mode. May need to provide injection if stored beam is lost. | Pasky Grelick | Store beam and injection |
| 1600-2000 | Test/install VXI waveform synthesizer for the PAR RF | Dimonte | Store beam and injection |
| 1600-1700 | ID Gap feedforward script modification, does not require stored beam | Borland | Store beam and injection |
| 1700-2200 | ID feedforward | Decker Singh Borland | Store beam and injection |
| 1700-1900 | Work on the PAR DC bump and orbit. | Borland | Store beam and injection |
| 2200-2400 | Cogging tests | Singh Decker | Store beam and injection |
| Tuesday, 07/23/02 | | | |

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|------------------|---|------------------------------|---------------------------------|
| 0000-0300 | Response matrix measurement with BPM gains | Sarajev | Store beam and injection |
| 0300-0700 | Response matrix measurement for the lower emittance lattice | Sarajev Emery | Store beam and injection |
| 0700-0900 | Zone-F access to adjust 35 BM pinhole slits. | Yang | No beam |
| 0700-0900 | Access zone-B and A to repair ID9 and ID3 | Grimmer | No beam |
| 0700-0900 | Access zone-F to install BPMs | Erwin Diag group | No beam |
| 0700-0900 | Check dipole supply hose and connection | McNamara PS group | No beam |
| 0900-1000 | Inspect SR BM supply opto isolator board | McNamara PS group | No beam |
| 0700-1000 | Install a waveguide piece at RF1. All 420 RF system will be shutdown | Nassiri RF group | No beam |
| 0700-0830 | Remove power monitoring equipment from 15BM FE EPS. Will drop PSS/ACIS | Friedman | No beam |
| 0830-0930 | Check the wiring of FE EPS interface toe the BL EPS at 10ID | Friedman | No beam |
| 0900-1100 | Install and test modified top-up code, need to run the IS1 septum supply | Lenkszus | No beam |
| 0700-0800 | Complete the test of RF gun test stand power supplies | Hillman | No beam |
| 0700-0800 | Reboot iocruncontrol | Lenkszus | No beam |
| 1100-1115 | Restore stored beam | OPS | Store beam and injection |

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|----------------------------|--|-------------------------------------|----------------------------------|
| 1100-1500 | Instability with RF phase perturbation | Yao Horan | Store beam and injection |
| 1500-1900 | Narrow band BPM test | Erwin Singh | Store beam and injection |
| 1500-1900 | Fast orbit correction test | Lenkszus Shang Emery | Store beam and injection |
| 1900-2300 | CPU AC mode tuning | Vasserman Emery | Store beam and injection |
| 2300-2400 | Cerenkov detector signal with on-axis injection | Emery Pietryla | Store beam and injection |
| Wednesday, 07/24/02 | | | |
| 0000-0300 | Cerenkov detector signal with on-axis injection | Emery Pietryla | Store beam and injection |
| 0300-0700 | Energy calibration Frequency measurement | Chae SajaeV | Store beam and injection |
| 0700-0800 | Ready for user beam with low emittance and top-up | Yao OPS | Stored beam and injection |
| End of Studies | | | |