

Running Arc Magnets to 5500A

- New Ramp needs to be completed now so we can check it.
- 50 min reserved for main ps DCOC and current limit adjustments if necessary.
- 5 min to bring p.s.'s to PARK and change ramp
- 15 min to ramp only the dipole ps's to Injection.
- 20 min to ramp from Injection to Store with dipole ps's only.
- 30 min to ramp from Store(5050A) to 5600A in 50A steps.
- 30 min to recover from one QLI if we do trip the main ps' on a DCOC.
- 30 min to do one Au11v1 ramp at the end to make sure ring is ok.
- 6kA Quench Switches in 10A will be close to trip limit but we should be ok at 5500A.
- **Total = 3 Hrs**, Assumes no mistakes, no problems, no quenches, except for one DCOC on the main p.s.'s

Running RHIC 3.8% higher (not DX Magnets)

- New Ramp needs to be completed now so we can check it.
- New Ramp keeps dx magnets below training levels.
- No adjustments needed for Main ps's or Quench Switches at 10A
- 5 min to change ramp name at PARK
- 10 min to ramp from Park to Injection
- 20 min to ramp from Injection to Store
- 15 min to go from Store(5050A) to 3.8% above (5242A) in 50A steps
- 30 min to do one Au11v1 ramp at the end to make sure ring is ok.
- **Total = 1.3Hrs**, Assumes no mistakes, no problems, no quenches