**Summary of the Meeting on Reversed TF operation [7/17/09]**

The present plan is to conduct MSE calibrations on Wednesday August 5, stop the run at about 2-3PM and begin work on hardware changes to configure the TF for reversed polarity operation. The engineering tem is preparing a check list and an ISTP.

As part of this plan, starting ASAP we should start displaying the data from both sets of the TF joint monitor probes.

The plan is to limit the TF level to 0.45T.

The planned activities for August 6 and 7 are as follows:

1. Finish ISTP
2. Finish essential magnetic calibrations
3. Run the commissioning XP which would consist of
   1. Produce LSN with LITER (Fiducial), conduct a beam power scan to ensure ion orbit losses do not have adverse interaction effects with the wall
   2. Produce USN with LITER (Fiducial biased up)
   3. Produce USN with Li-dropper
   4. **Devote most of the effort to LSN plasmas** and implement n=3 EFC and n=1 feedback in these plasma [this would be the new fiducial]
      1. [Compare a, b, c, to discharges in normal Bt configuration]
   5. Conduct 4 shots with n=3 braking to compare to normal Bt operation

The plan for August 10 and 11 is as follows:

1. Run the Main Bt-reversed XP [Edge and T&T groups to develop this XP]
   1. High power L-mode (0.5 days)
   2. L-H threshold studies (0.75 day)
   3. SOL and divertor transport (0.75 day)

The plan for the remainder of the run is as follows:

1. Run the CHI XP with outer electrode as cathode and use the remaining time that day to finish MSE calibration. (1-day)
2. Take a reference L-mode discharge from the normal Bt configuration and examine RF heating effects in the reversed Bt configuration (0.5 days)
3. Use the remaining 1.5 days of contingency time towards:
   1. Improving the data set from the Main Bt-reversed XP focusing on specific discharges based on the results from the previous 2-days of run
   2. FIDA study at Bt=0.45T (it warranted)