

E05-017 MAGNET CYCLING PROCEDURE

If HMS momentum is being **decreased**:

- 1) Set HMS magnets by momentum at main screen

If HMS momentum is being **increased**:

- 1) Set HMS magnets by momentum at main screen
- 2) Bring up control screens for Q1, Q2, and Q3.
- 3) Go to “Current Input Mode” (click on “Momentum Input Mode” button to switch to Current mode).
NOTE: All magnets will change mode at the same time, and the setpoints on the main screen will show the “current mode” setpoint, even though that value isn’t being used.
- 4) Increase the set current to **200A above nominal** (the “set current” button on the left)
- 5) When all quads reach the increased current, go back to “Momentum Input Mode” and set to the correct momentum separately for the individual quads.

When all are set, verify that the main screen shows “using standard tune” and that all magnets are at desired current/field