

MHD Stability research priority ordering



1) Locked modes

Investigate effectiveness of present coil set and single power supply; if necessary add/upgrade supply, upgrade coilset

2) Study MHD stability of AT plasmas

(core MHD, including NTM's and RWM's, but no feedback stabilization)

3) Disruptions (currents, forces, mitigation)

4) Pedestal stability

5) Active MHD spectroscopy

Don't install 2nd antenna

6) RF stabilization

Sawtooth modification/stabilization

Localized CD feedback stabilization of core MHD

7) RWM wall/feedback stabilization

If we need this, we've already been very successful with the C-Mod 5-year plan