Goals of ET2

- Understand the HHFW antenna System
- Understand where the HHFW power goes
- Be ready to begin CD experiments

  2 XP’2
- Coupling properties of the HHFW system
- HHFW heating

Coupling properties of the HHFW Antenna System

- Explore antenna loading as a function of n_e , I_p , R+a , phase and power

  compare with theory
  get information on edge plasma

  need TV/IR, edge reflectometer , probes?

- Requires density and current scans and edge position control

HHFW Heating

- Quantify heating efficiency (stored energy)
- Determine location of heating as function of phasing, plasma parameters (USXR, Thomson)
- Determine if there is ion absorption (NPA, probes)

Requires ohmic target with density, current scans, edge position control