

Boundary Physics



- Measure edge/SOL Ne and Te profiles at midplane
- Obtain scalings with basic parameters (q , P_{in} , Ne, etc)
Infer heat and particle fluxes
Compare to analytical models and UEDGE
Obtain prediction?
- Characterize far SOL profiles and relate to intermittency
- Support RF operations by characterizing edge/SOL profiles
- Modify edge/SOL profiles actively using biasing
- Modify edge/Sol profiles actively using gas puff
- Study ELMS with high time resolution

Boundary Physics: Diagnostics, Machine Time



Use all possible diagnostics (UCLA reflectometer, etc) for validation

Scan parameters

Add active profile control (bias, gas puff, etc)

Need ~2 days