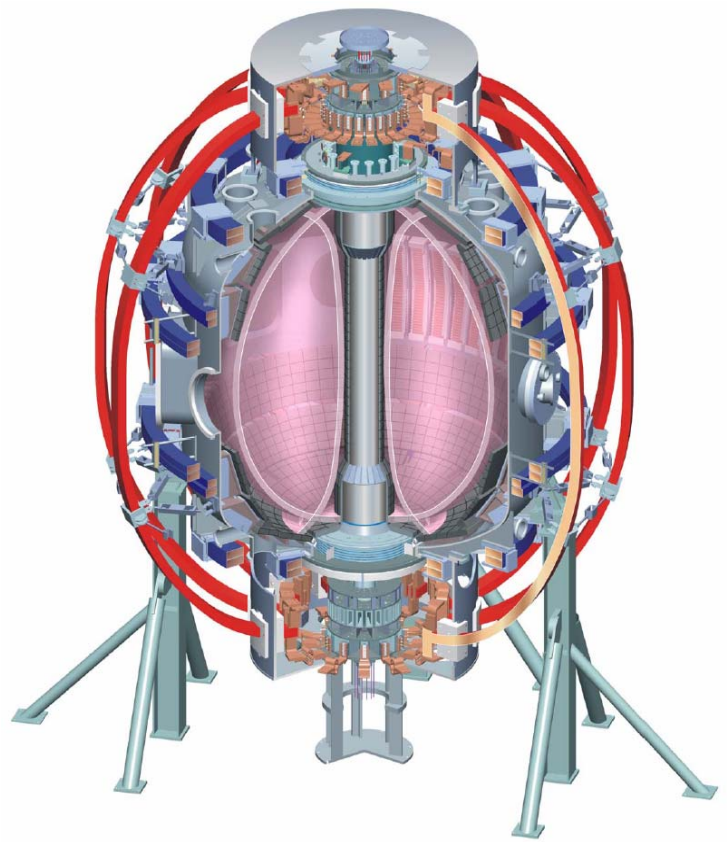


XP 734 - Te Gradient and magnetic shear effects on Core Transport Part 2

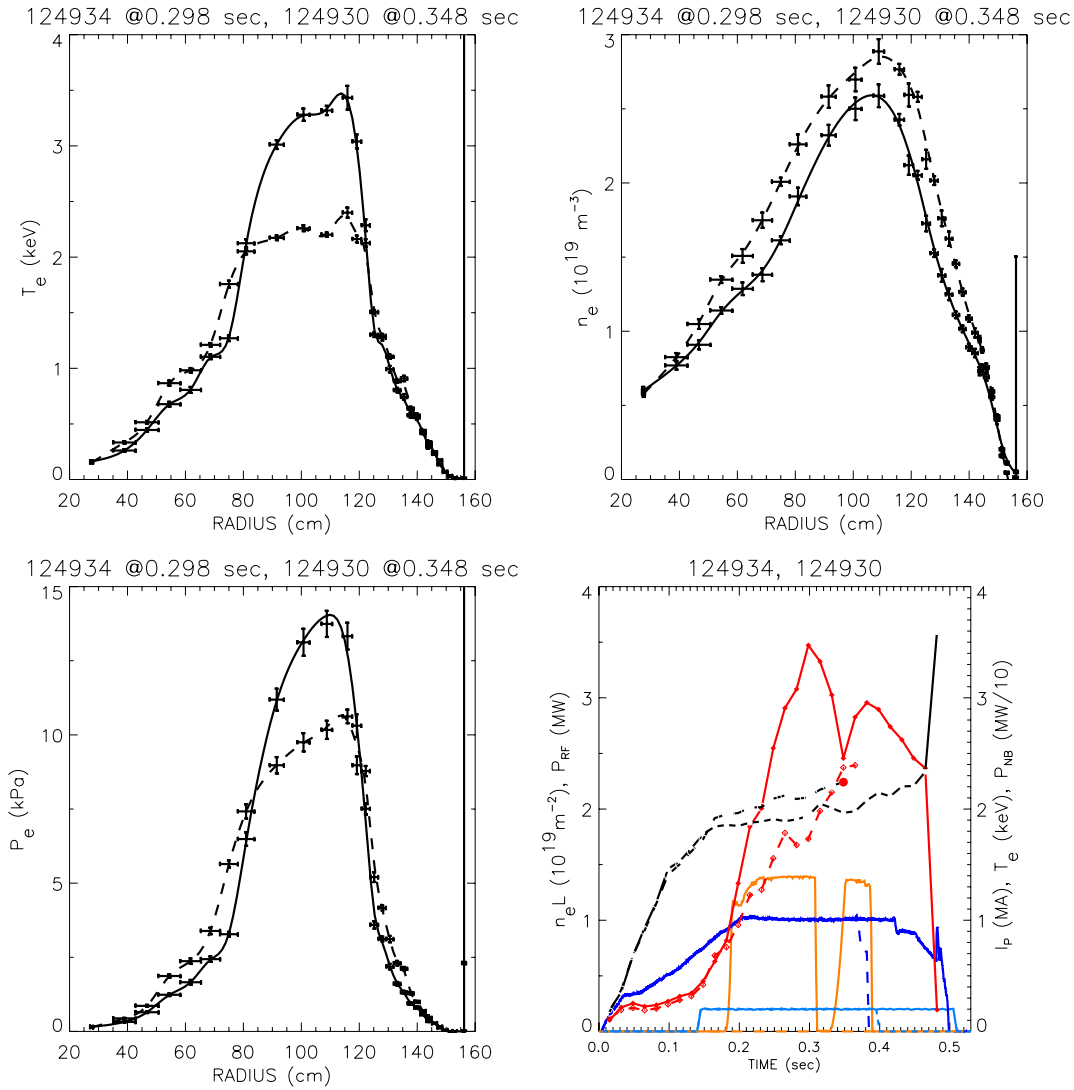
Presented by H.Yuh

NOVA PHOTONICS

June 18, 2007

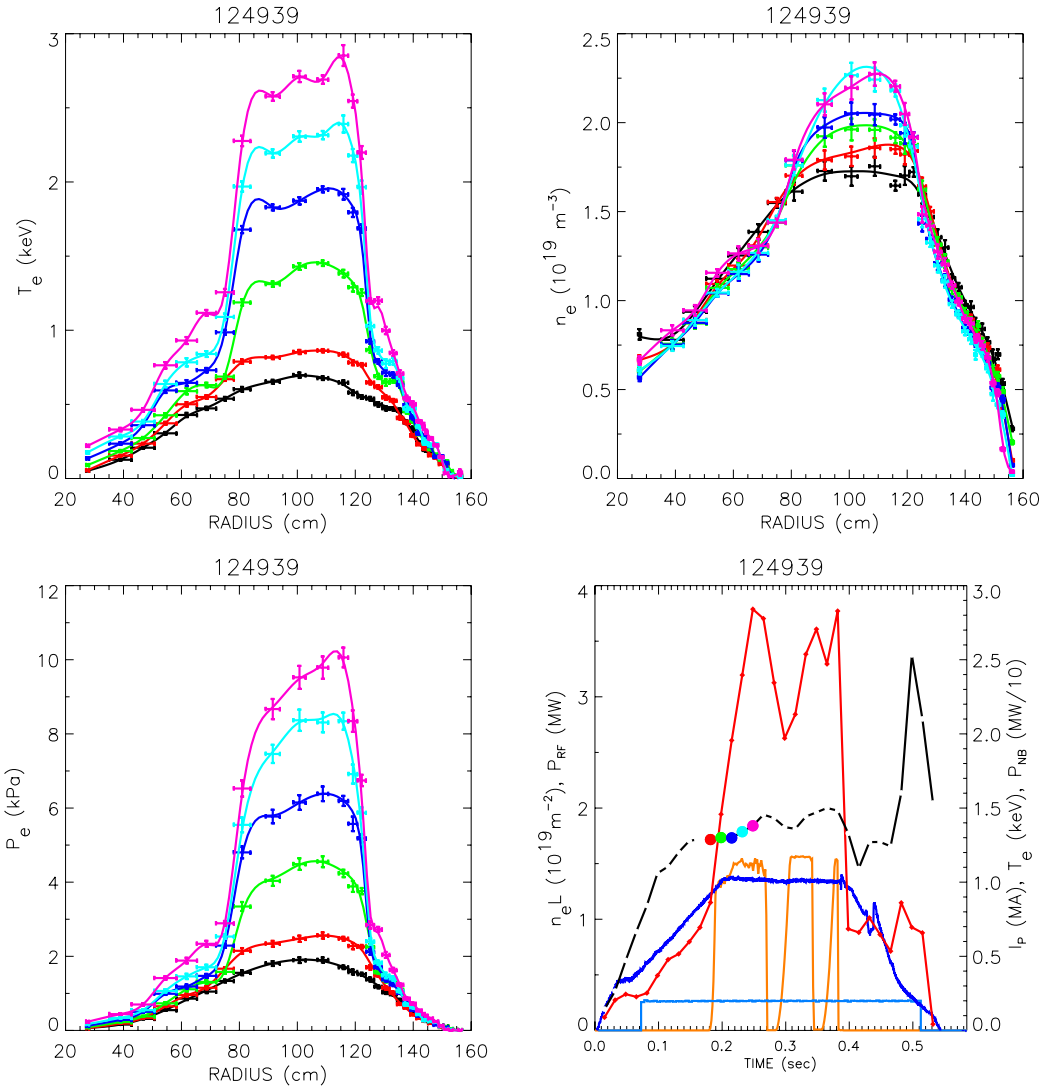
NSTX Monday Physics Meeting

Successfully recreated high ∇T_e and s

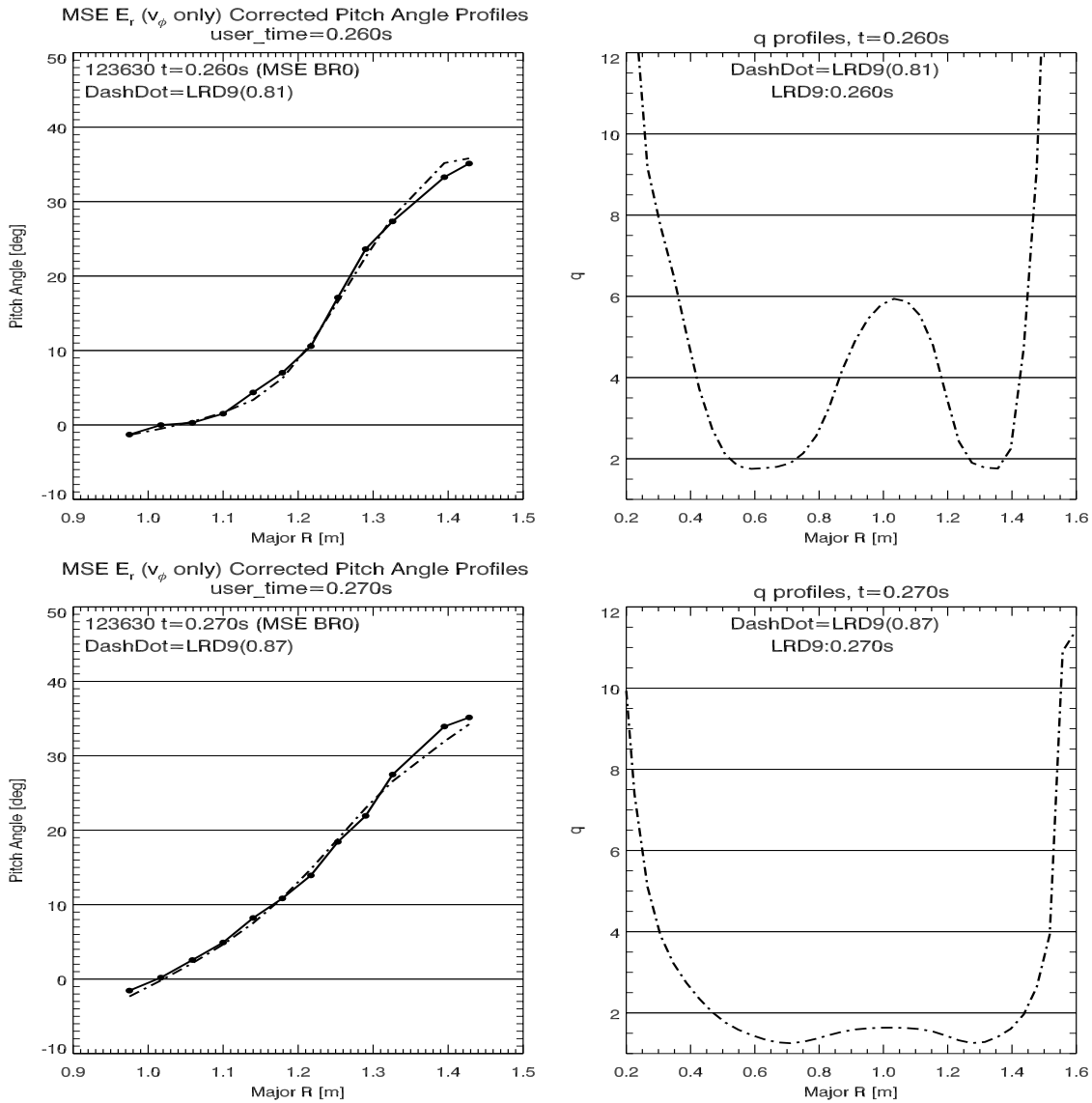


- 2 MW Single source
- 1.4 MW RF heating
- Te = 3.3keV

Single shot evolution of ITB

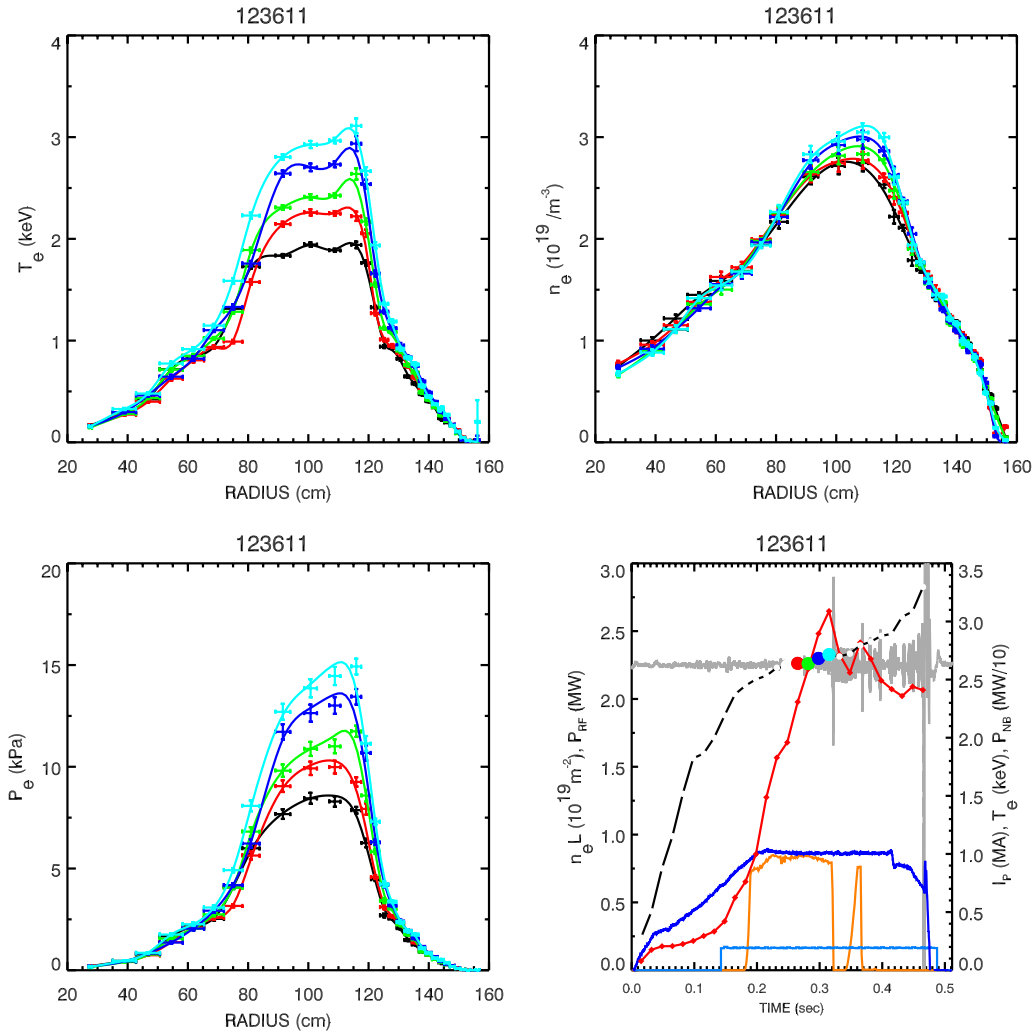
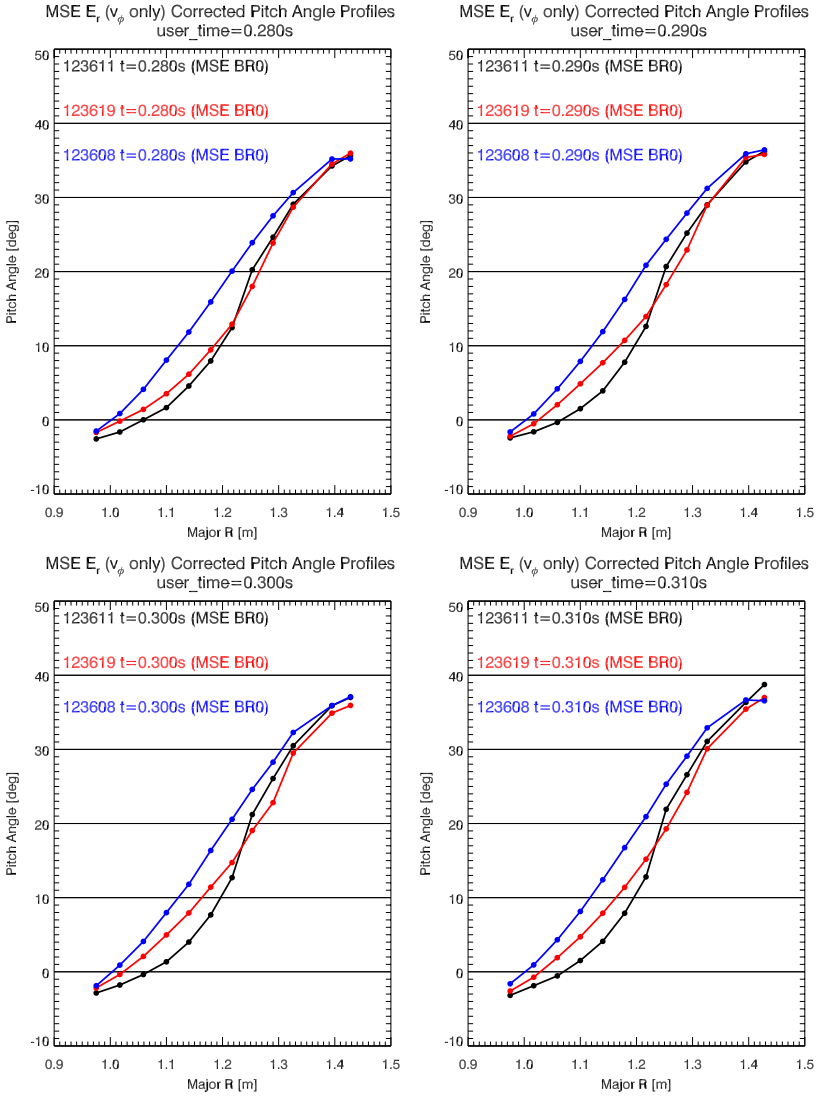
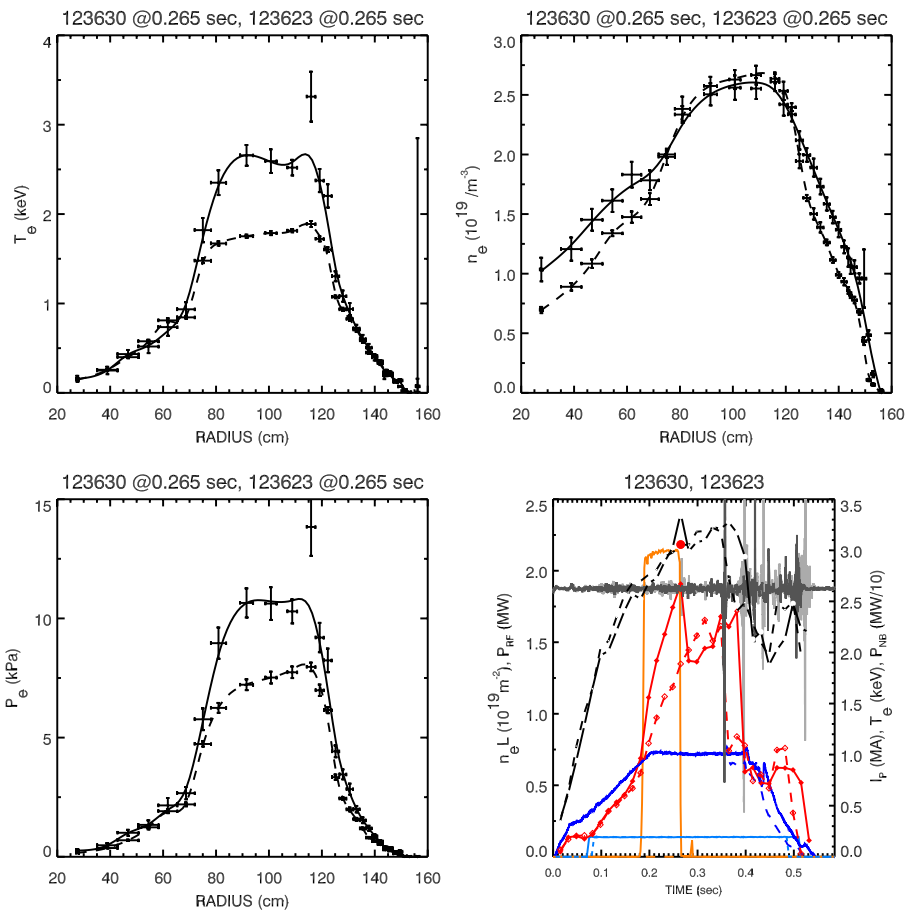


Fast current redistribution



XP-734 Successfully created high ∇T_e and s

- NBI with RF created high confinement high Te plasmas
- Varied magnetic shear, ∇T_e



RF Electron heating clear with NBI at 5.5kG