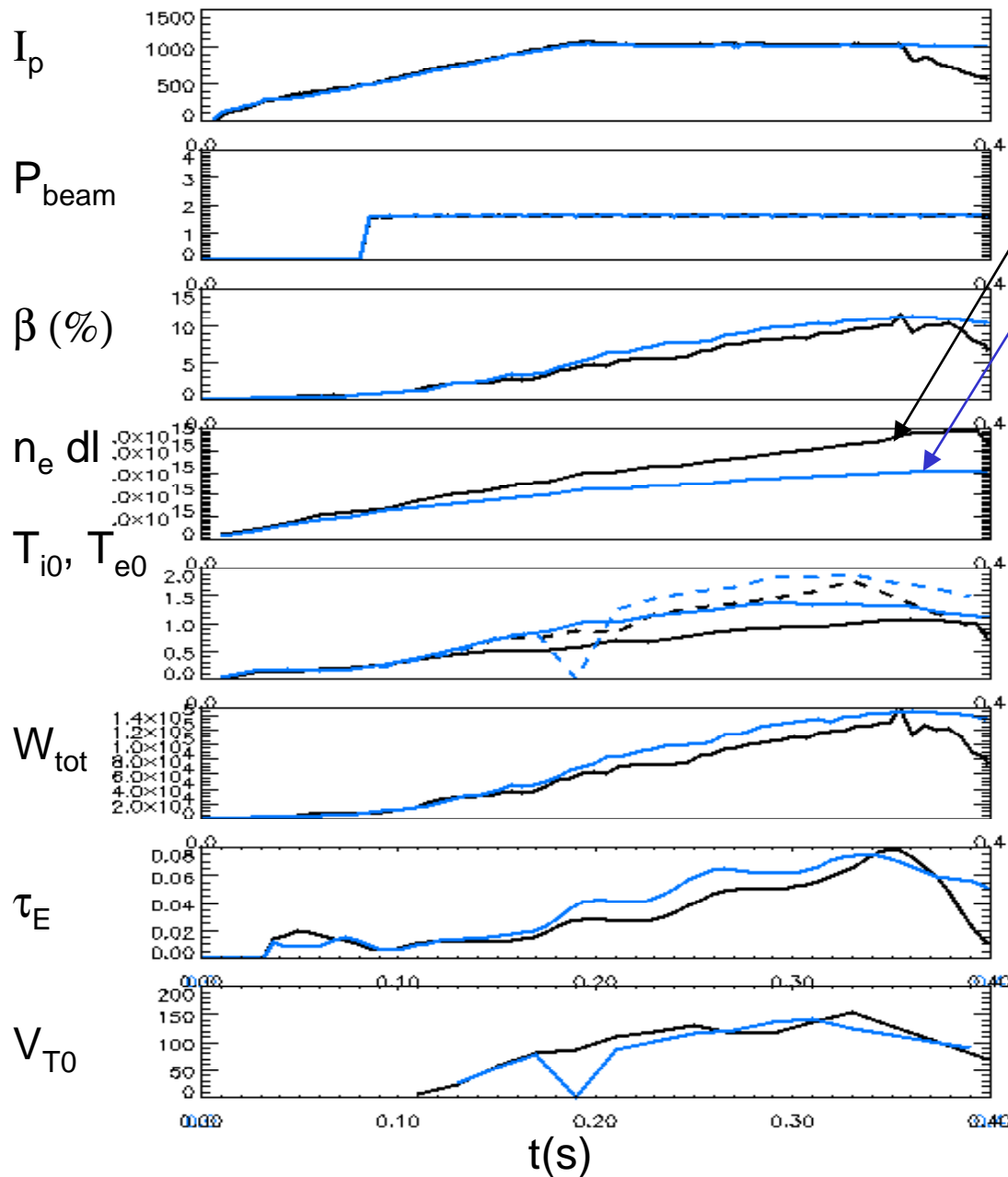


**Indications of improved electron confinement
with reversed magnetic shear in XP 223**

D. Stutman

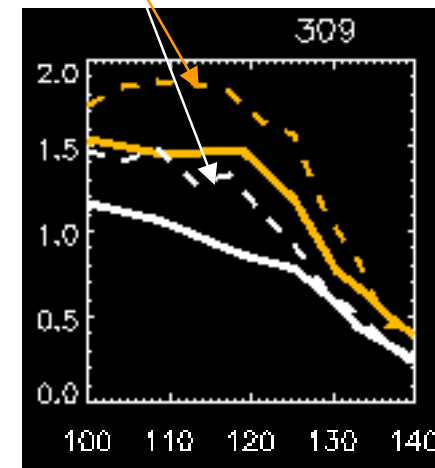
Significant confinement increase seen in low n_e discharges



108213 (C/4.5 kG)

108918 (C/4.5 kG)

T_e, T_i (keV)

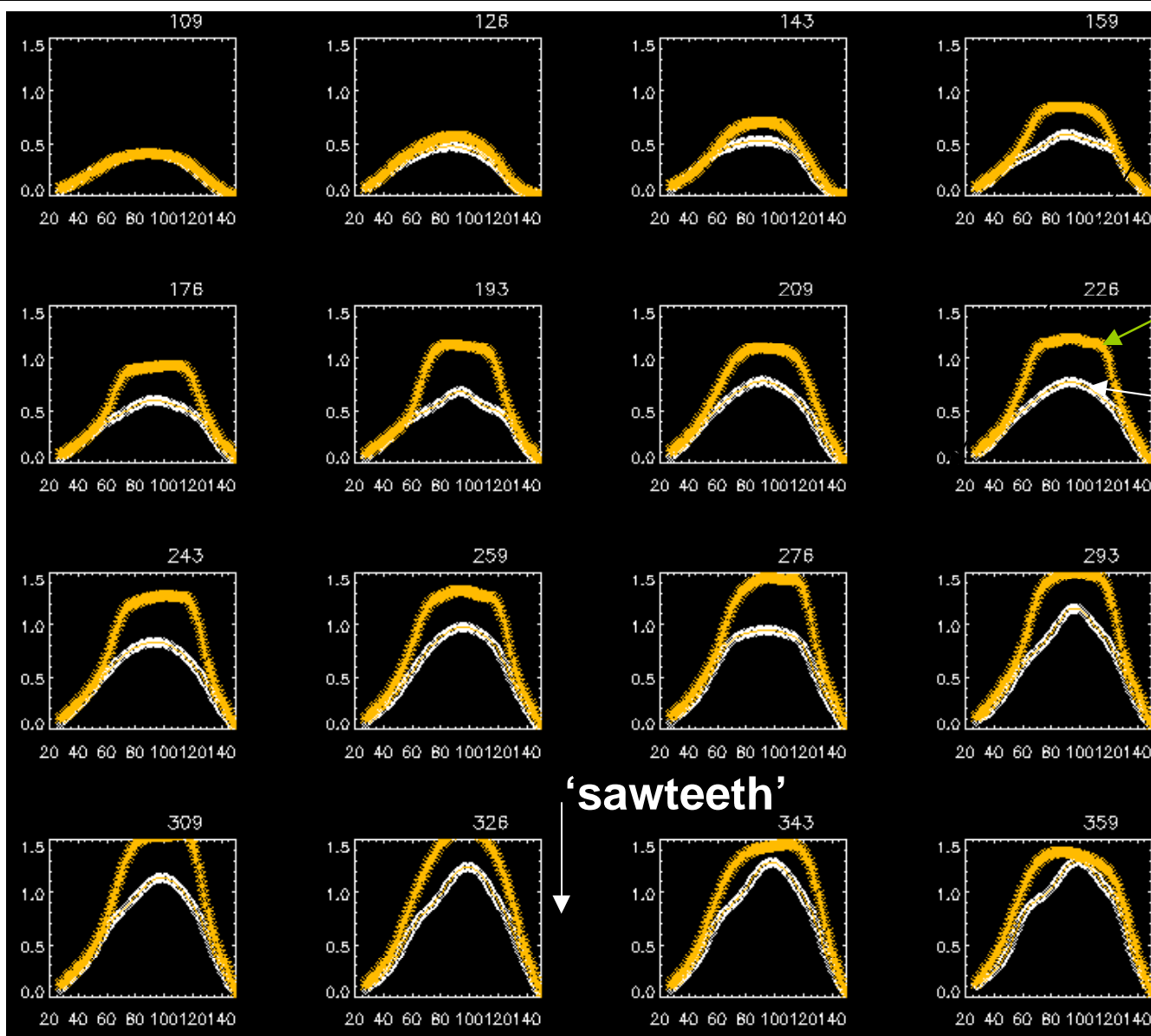


R (cm)

Electron and ion temperature higher than usual

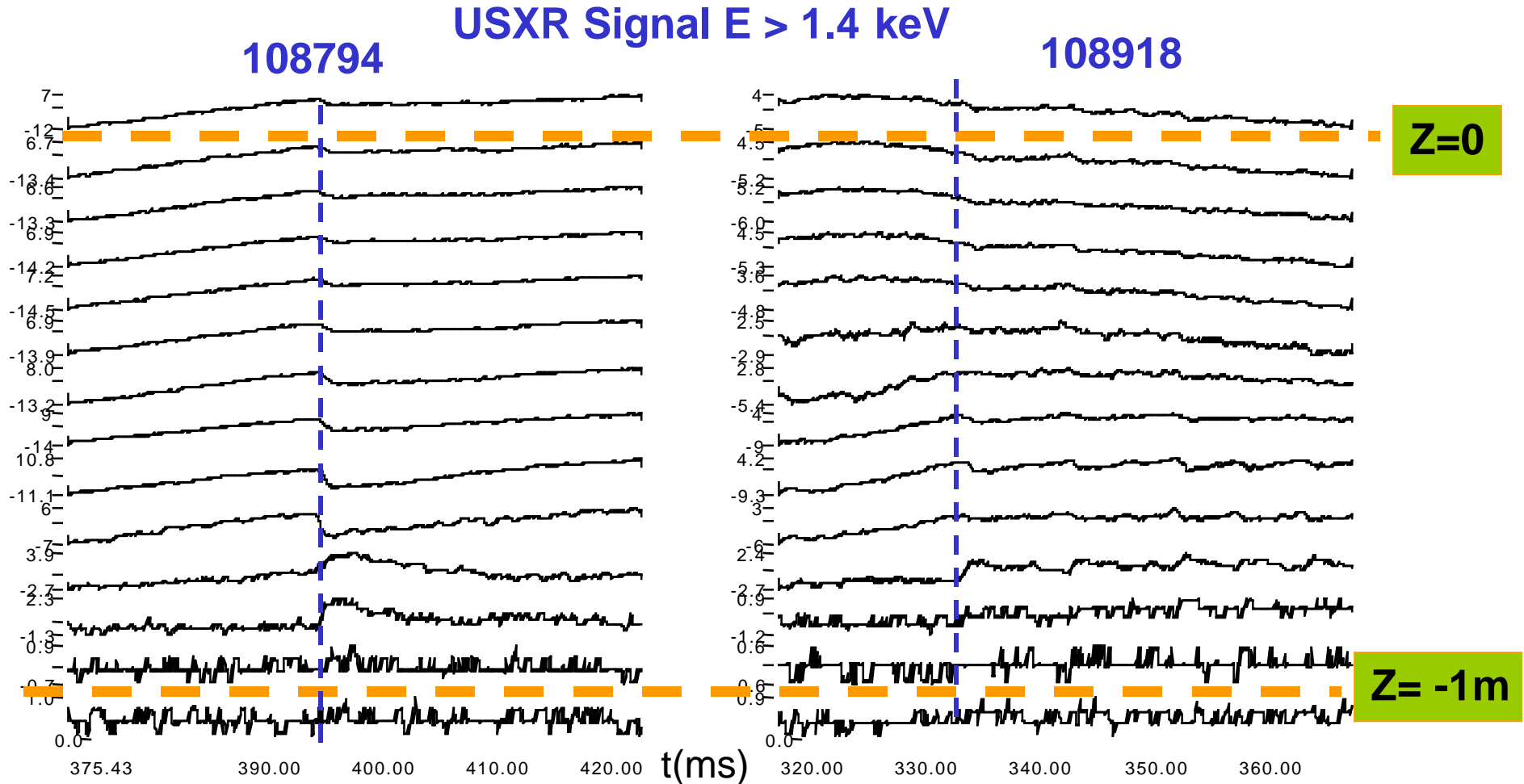
High T_e and broad profile starting early in the shot

T_e (keV)



R(cm)

USXR traces consistently suggest shear reversal



- ‘Off-axis sawteeth’ hint at two $q=1$ surfaces
- Shear reversal known to suppress ETGs
- ‘Reversed’ H-modes probably not reversed (D Pacella, GEM)

