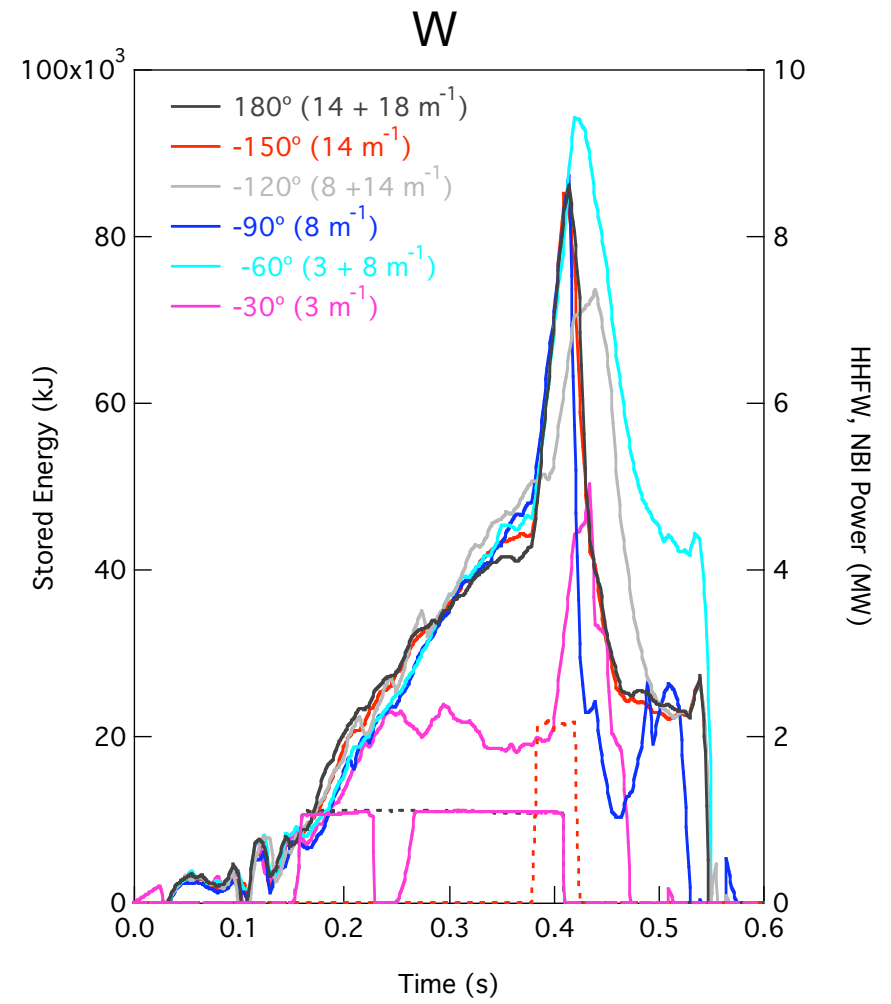
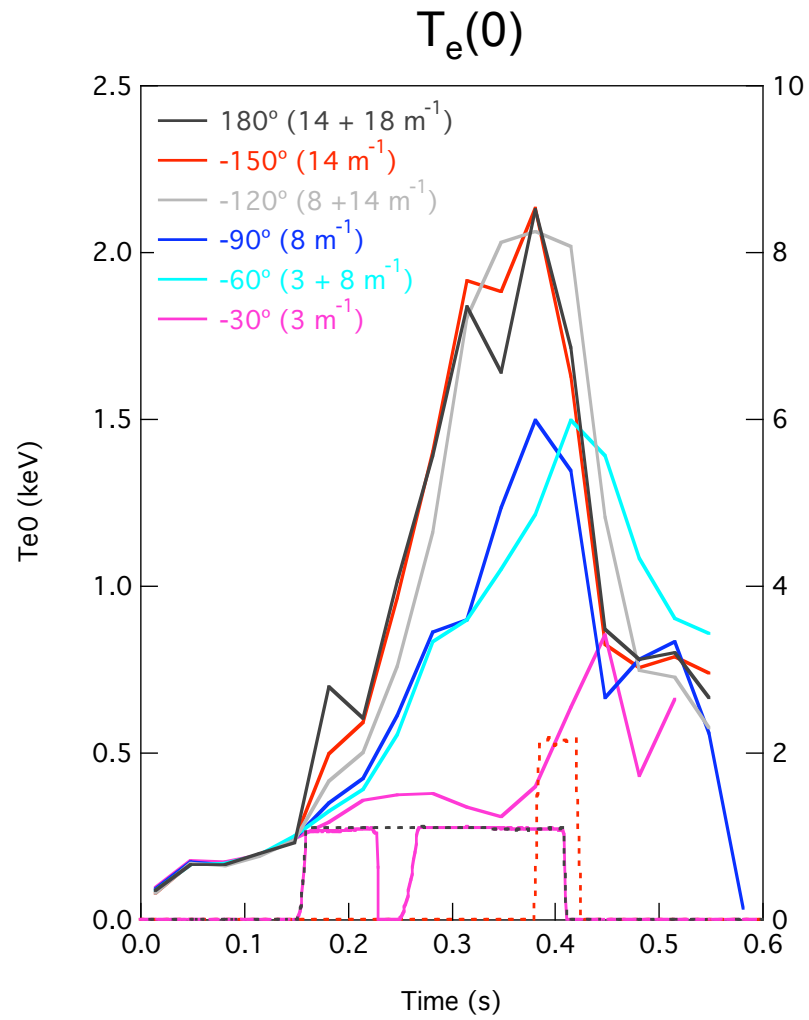


XP825 - HHFW Heating and CD in L-mode D₂

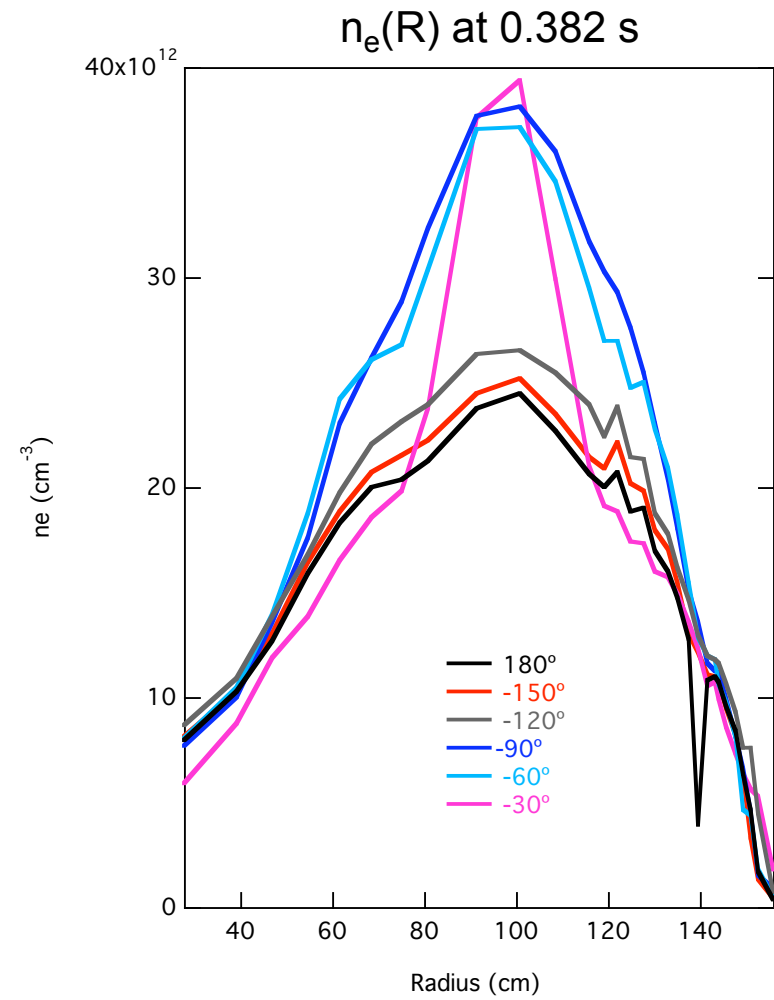
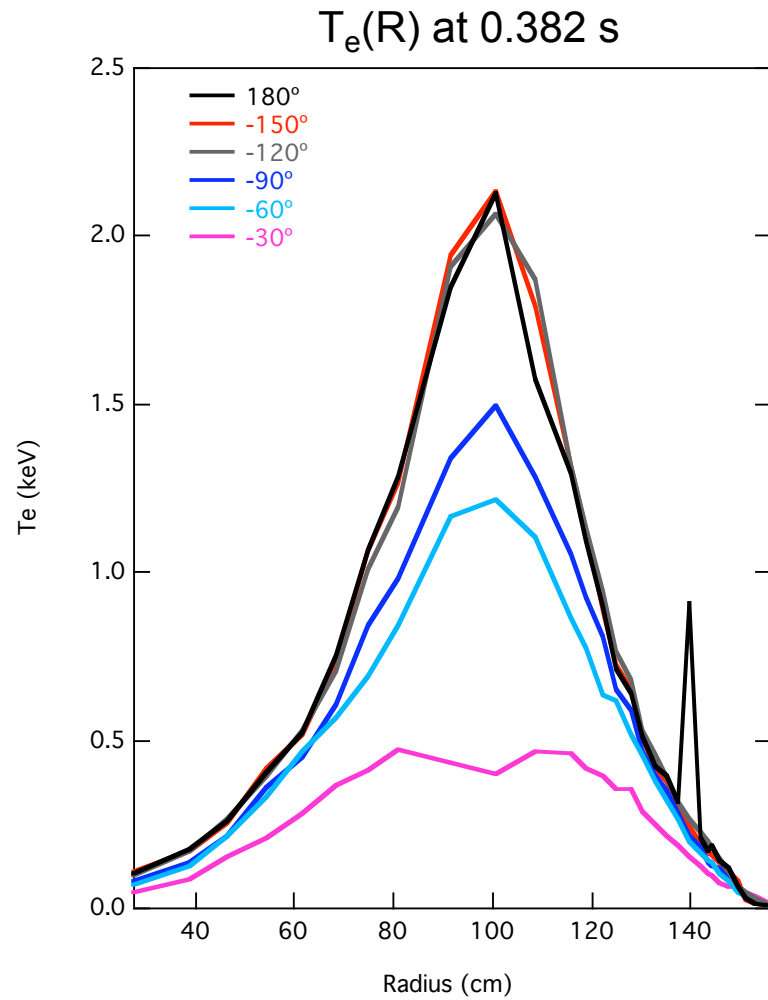
– Ryan, Hosea, LeBlanc, Taylor

- 1/2 day operation April 23
- Scanned phase from -30° to 180° at 30° increments at 1.1 MW.
- 2 MW at -150° and 2.2 MW at -90° .
- Put a 40 ms, 90 keV beam at the end of a 260 ms pulse (30 ms overlap) for MSE and CHERS measurements.

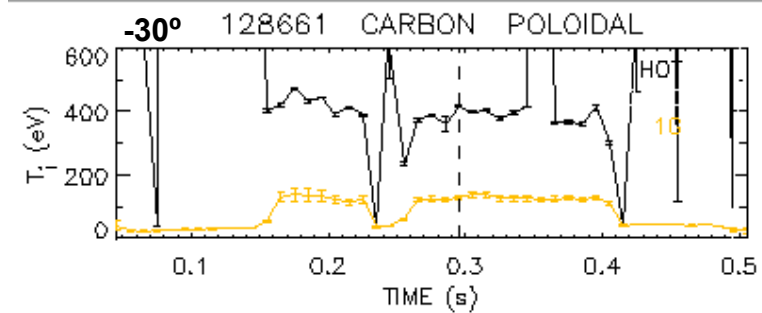
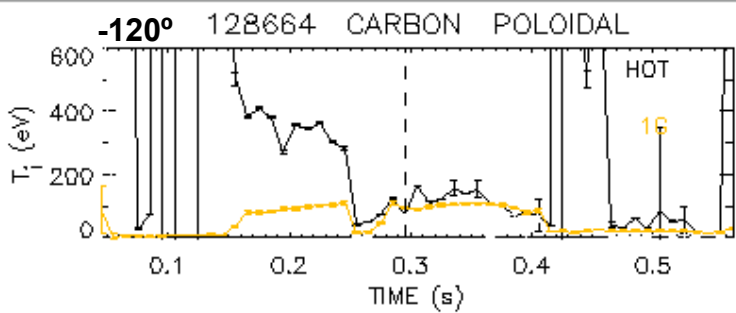
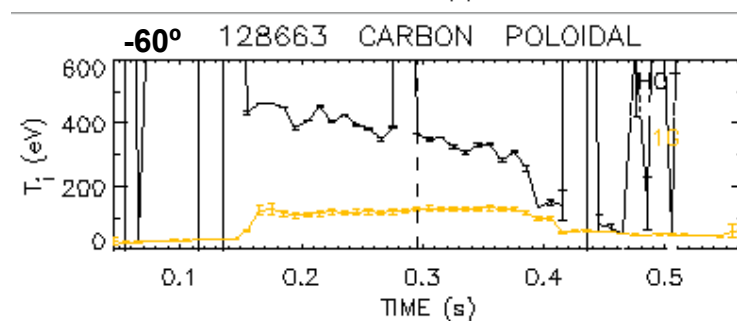
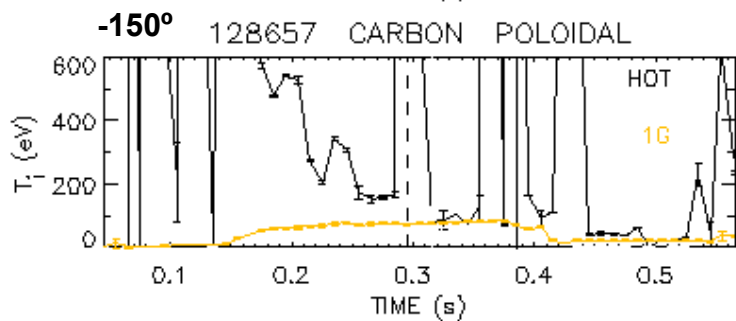
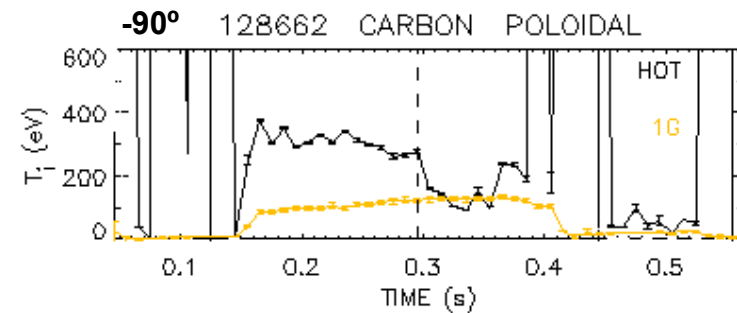
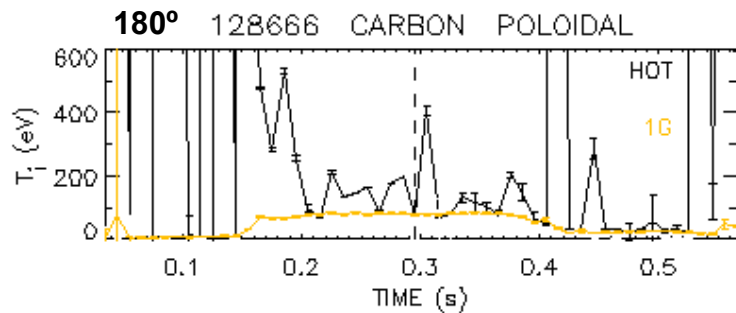
Phase (or k_{\parallel}) has a larger effect on $T_e(0)$ than on W



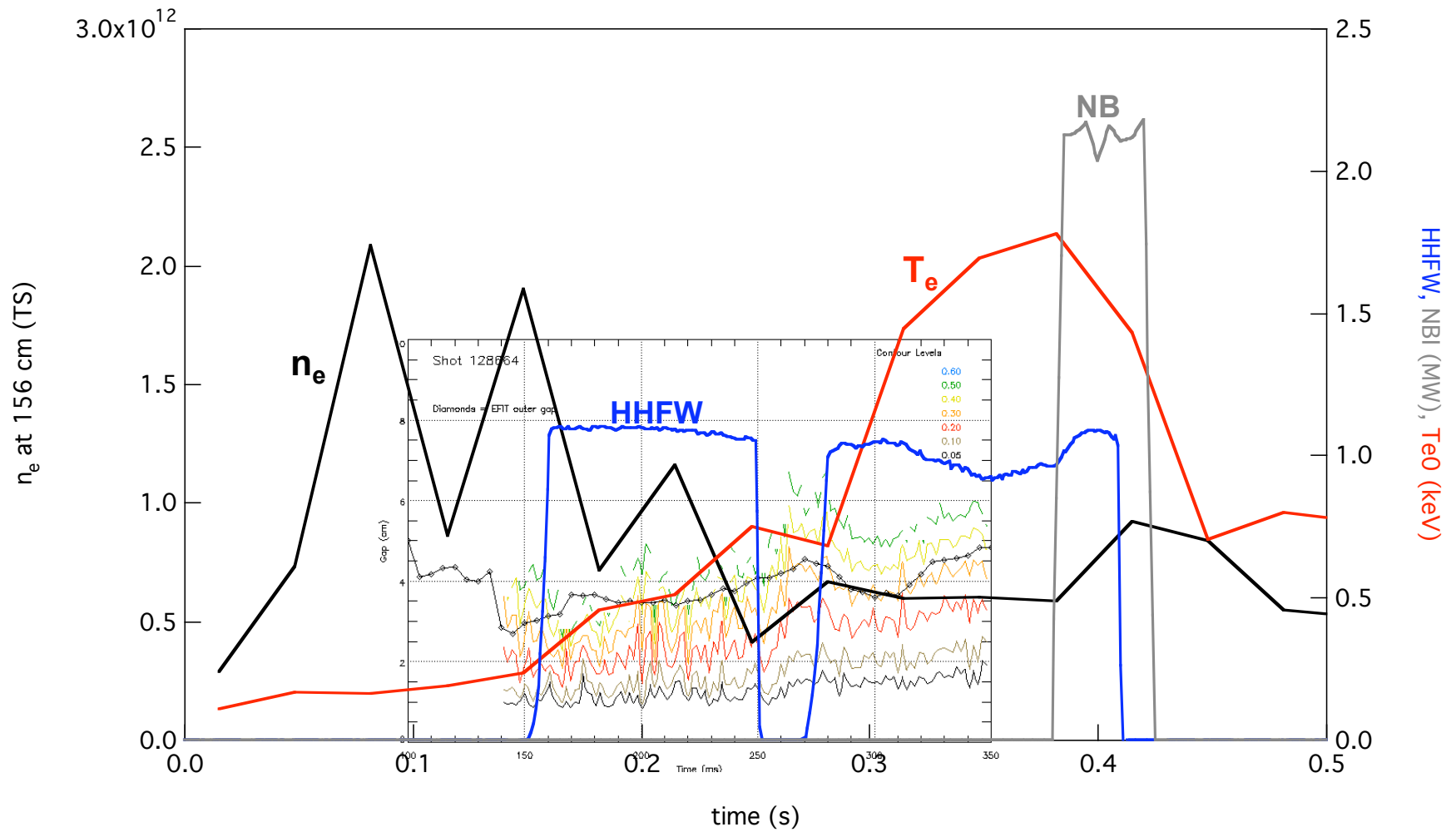
Lower k_{\parallel} leads to lower $T_e(0)$, higher $n_e(0)$



T_i at R = 150 cm (ERD) vs array phase shift (at 1.1 MW)



Core heating depends on edge density



Core heating depends on edge density

