

# Long Pulse HHFW only H-modes

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# Create long pulse HHFW only discharge

- HHFW Steady H-mode has been achieved
  - Heating mode
  - $f_{BS} \sim 0.4\text{-}0.5$
  - Ended when rf turned off
- Use CD phasing and try for maximum pulse length
  - Scan power,  $n_e$ ,  $B$ ,  $I_p$  to maximize non inductive current fraction

# High beta poloidal H-mode plasmas provide excellent target for long pulse sustainment

