
C-MOD/MAST/NSTX small ELM regime comparison

XP summary

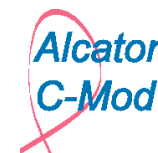
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XP 621 (ITPA PEP-16) update

- Goal: identify similarities and differences between small ELM regimes (C-MOD EDA at high β , NSTX Type V, MAST small ELMs)
- Execution: establish dimensionless pedestal comparison with scaled poloidal cross-section between C-MOD, MAST, and NSTX
 - Vary β_{ped} at constant q_{95} , v_{ped}^* , and ρ_{ped}^*
- Status: dedicated time on C-MOD and NSTX
 - C-MOD: 3/4 day on April 7, 2006;
 - target shape matched and small β scan with $\beta_{\text{ped}} \leq 0.6\text{-}0.65\%$
 - begin to see small ELMs at highest β
 - NSTX: 1/2 day on April 14, 2006
 - Progress made on target shape at high I_p
 - Small ELMs at lowest β_{ped} with 1 NBI source ($\beta_{\text{ped}} \leq 2.5\text{-}3\%$)
 - MAST: tentatively scheduled for ~ early July, 2006 after EPS



Progress made on shape match

