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# XP 818 - ELM control with midplane coils

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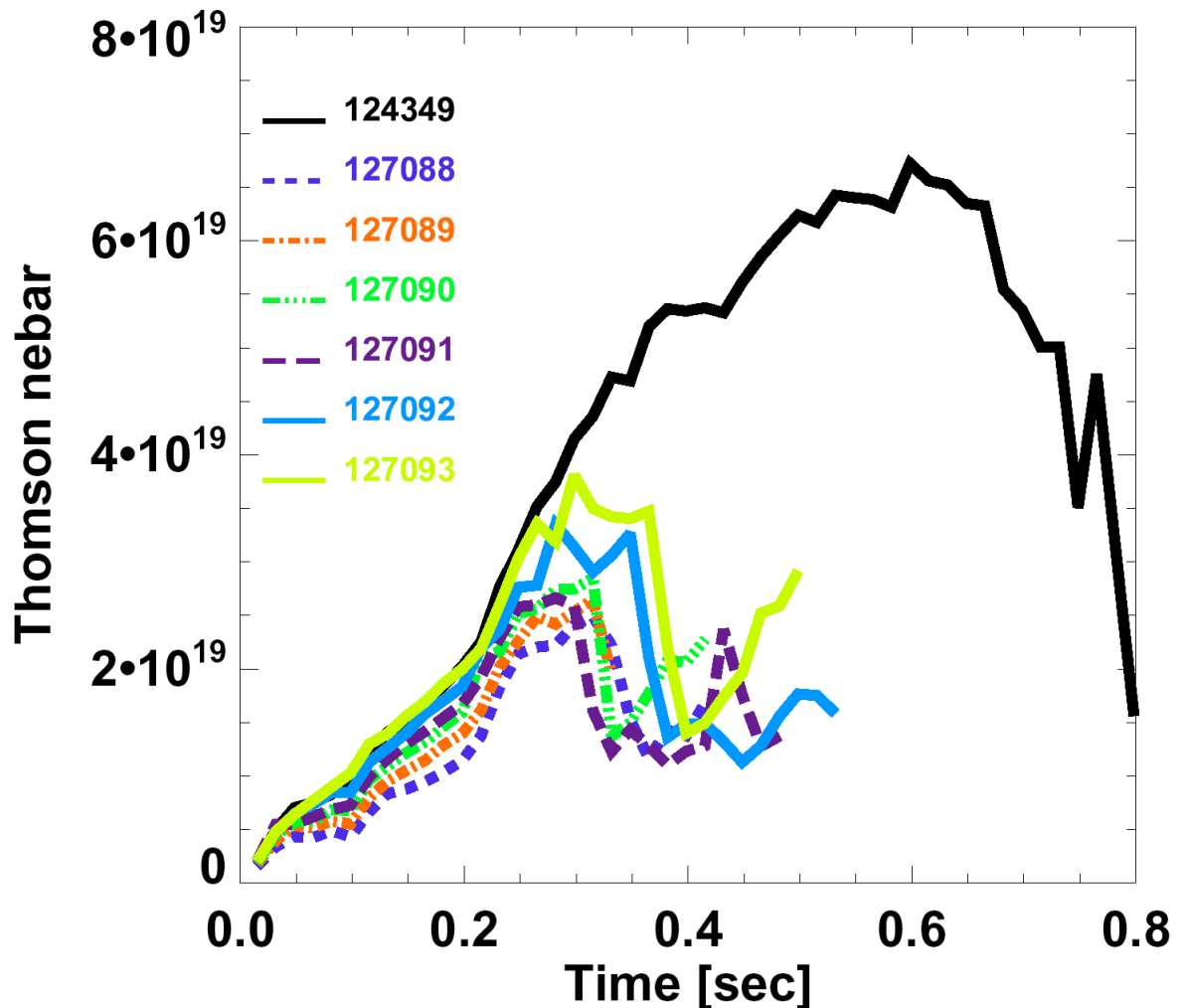
NSTX Monday Physics Meeting

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## Six discharges required to get back to target discharge recycling conditions after He discharges



- Ran 6 discharges following  $\sim 25$  He discharges
- Density started out  $\sim 50\%$  lower than target and required extra fueling to bring to target level
- Final discharge did have ordinary Type I ELMs, but was not nearly as long as target - why?



# ELM character changed and pulse length increased with density



- First 3 discharges had Type III ELMs, seen in vicinity of  $P_{LH}$ 
  - $P_{LH}$  increased at the lower density
- Observed Type I ELMs in discharges 4-6
- Final discharge shorter than reference and did not have ELM-free phase

