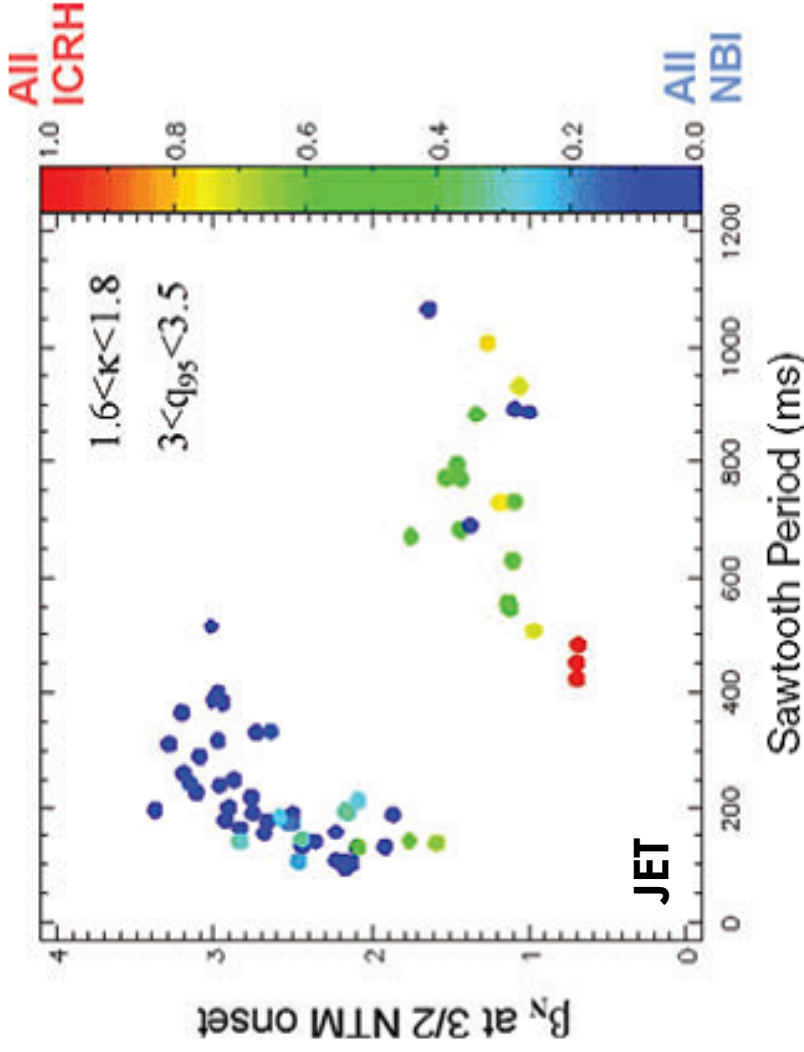


ITPA MHD WG3: Sawtooth Control in ITER

- MHD Group has initiated high priority near-term ITER tasks
 - WG3: Assessment of the power requirements for ECCD and ICRH for control of sawteeth (contact ian.chapman@ccfe.ac.uk)
- Need to know how small sawteeth must be to avoid NTMs
 - Want to produce multi-machine empirical scaling of NTM trigger data



JET shows that longer τ_{saw} results in NTM triggering at lower β_N

- Is this observed elsewhere?
- What are the dependent parameters?
- Does NSTX have data on sawtooth triggered NTMs? Or even just a series of shots with different τ_{saw} without NTMs to add to database?

[RJ Buttery et al, Nucl. Fusion, 2004]