

IAEA 2012 Talk Outline: “The nearly continuous improvement of discharge characteristics and edge stability with increasing lithium coatings in NSTX”

- Focus is on the ‘continuous’ effect (i.e. magnitude of which scales with increasing deposition) of lithium coatings on edge recycling, confinement, transport, and stability
 - Canik, PoP 2011 – assessed changes in recycling, D, chi profiles
 - Maingi, PRL 2011 – quantified changes in confinement, pedestal
 - Boyle, PPCF 2011 – assessed profile and stability changes
 - Maingi, NF 2012 paper – synthesized results f/above and presented more thorough assessment of recycling, + PRL 2011 paper
 - Boyle, PSI 2012 paper? – assessed duration of lithium pumping from various lithiated long pulse discharges
 - Complements Kaye, IAEA oral on lithium & collisionality
- Possible additional analysis: assessment during a high triangularity version of above lithium deposition scan