Abstracts submitted by NSTX team to the 20th International Conference on Plasma Surface Interactions in Fusion Devices to be held in Aachen, Germany in May 2012 https://www.congressa.de/PSI2012/

Invited talk abstracts:

1. R. Maingi, "Physics of the H-mode pedestal and its role in setting the power flux channel"
2. V. A. Soukhanovskii, "Advanced divertor configurations with large flux expansion"

Contributed abstracts (oral talk or poster, TBD)

1. T. Abrams, "Response of NSTX Liquid Lithium Divertor to High Heat Loads"

2. J-W. Ahn, "Study of non-axisymmetric divertor structure using 2-D IR and visible cameras and a 3-D heat conduction solver in NSTX"

3. D. P. Boyle, "Varying the pre-discharge lithium wall coatings to alter the characteristics of the ELM-free H-mode pedestal in NSTX"

4. J. M. Canik, "Access and confinement characteristics of the Enhanced Pedestal H-mode in NSTX"

5. M. A. Jaworski, "Observation of non-Maxwellian electron distributions in the NSTX divertor"

6. R. J. Goldston, "Pfirsch-Schluter Flow in a SOL with Steep Pressure Gradient"

7. T. K. Gray, "The Effects of Increasing Lithium Deposition on the Power Exhaust Channel in NSTX"

8. R. Kaita, "Comparison of H-Mode Plasmas Diverted to Solid and Liquid Lithium Surfaces"

9. J. D. Lore, "Effect of n=3 Fields Below the ELM Triggering Threshhold on edge and SOL transport in NSTX"

10. A. G. McLean, "Measurement and modeling of surface temperature dynamics of the NSTX Liquid Lithium Divertor under plasma-induced heating and lithium pre-heating"

11. F. Scotti, "Study of carbon influxes from lithium-coated graphite plasma facing components in NSTX H-mode discharges"

12. C. H. Skinner, "Plasma Facing Surface Composition During NSTX Li Experiments"

13. D. P. Stotler, "Pedestal Fueling Simulations with a Coupled Kinetic Plasma – Neutral Transport Code onto the NSTX Vessel Walls"

14. C. N. Taylor, "The role of oxygen in retaining deuterium on lithiated graphite surfaces"