

NSTX EPS Presentations

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2009

Invited

M.G. Bell: [Plasma response to lithium-coated plasma-facing components in the National Spherical Torus Experiment](#)

Poster

J-W.Ahn: [Dependence of divertor heat flux profiles on triangularity and drsep in NSTX H-mode plasmas](#)

L. Delgado-Aparicio: [Multi-energy SXR characterization of stabilized resistive wall modes in NSTX](#)

E. D. Fredrickson: [Modeling fast ion transport in TAE avalanches in NSTX](#)

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2010

Oral

D. Mueller: [Coupling of Coaxial Helicity Injection plasma start-up to inductive rampup on the National Spherical Torus Experiment](#)

R. Maingi: [ELM suppression through modification of Edge Profiles with Lithium Wall Coatings in NSTX](#)

S.P. Gerhardt: [Development of advanced spherical torus plasmas in NSTX](#)

Poster

J. Menard: [Physics design of the NSTX Upgrade](#)

J.-W.Ahn: [Effect of non-axisymmetric magnetic fields on divertor profiles in NSTX H-mode plasmas](#)

J. Canik: [ELM pacing with 3D magnetic perturbations in NSTX](#)

T.K. Gray: [Dependence of the Scrape-Off Layer heat flux widths on external parameters in the NSTX](#)

- R.J. Maqueda:** [Edge turbulence and SOL blobs in the National Spherical Torus Experiment \(NSTX\)](#)
- A. Sontag:** [Edge stability of small-ELM regimes in NSTX](#)
- V.A. Soukhanovskii:** [Snowflake divertor configuration in NSTX](#)
- L. Delgado-Aparicio:** [Multi-energy SXR measurements of Resistive Wall Mode behavior in NSTX](#)
- S.A. Sabbagh:** [RWM stabilization and maintenance of high beta plasmas in NSTX](#)
- J.W. Berkery:** [The role of kinetic effects, including plasma rotation and energetic particles, in resistive wall mode stability](#)
- P. Ryan:** [Advances in high harmonic fast wave heating of NSTX H-mode plasmas](#)

2011

Oral

- V.A. Soukhanovskii:** The snowflake divertor: a game-changer for magnetic fusion devices?

Poster

- D. Kumar:** Modeling of space resolved impurity emission in the EUV range using a transmission grating based imaging spectrometer at NSTX
- D. Stutman:** Multi-energy SXR imaging diagnostics for fusion experiments
- D.J. Clayton:** Edge transport measurements with the new multi-energy soft-x-ray diagnostic on NSTX
- J.C. Hosea:** Properties of HHFW electron heating generated H-modes in NSTX
- R.J. La Haye:** Aspect ratio effects on neoclassical tearing modes from comparison between DIII-D and NSTX
- J.W. Berkery:** Resistive wall mode kinetic stability advancements for refined comparison with experiments
- S.A. Sabbagh:** Advances in resistive wall mode stabilization to maintain high beta, low internal inductance plasmas in NSTX
- G. Taylor:** High-harmonic fast wave heating and current drive results for deuterium H-mode plasmas in the National Spherical Torus Experiment
- W. Guttenfelder:** Nonlinear gyrokinetic simulations of microtearing mode turbulence
- J.M. Canik:** Edge transport and stability modification with lithium wall coatings in NSTX
- M. Podestà:** Study of Toroidicity-induced Alfvén Eigenmodes and associated fast ion transport in the National Spherical Torus Experiment
- Ya.I. Kolesnichenko:** Formation of a non-monotonic energy distribution of energetic ions in NSTX
- J.W. Ahn:** Effect of 3-D fields on divertor detachment and associated pedestal profiles in NSTX H-mode plasmas
- R. Maingi:** Density Profile and Particle Transport Control as the Critical Ingredients for ELM Suppression in Tokamaks