

 **National Spherical Torus eXperiment Upgrade**

# **NSTX-U / Magnetic Fusion Science Meeting**

**September 20, 2021**

---

# Some upcoming events

---

- Sept 26 - Oct. 1 (virtual), [AAPPS-DPP](#) (invited nominations deadline: ~~May 31~~)
- Nov. 8-12, 2021 (Pittsburgh / hybrid), [APS-DPP](#) (invited deadline: ~~May 26~~)
- Nov. 30 - Dec. 3, 2021 (Chengdu / hybrid), [4th IAEA TM on Fusion Data Processing, Validation and Analysis](#) (abstract deadline: Sept. 15)
- Dec. 6-9, 2021 (virtual), [IAEA Technical Meeting on Energetic Particles](#) (deadline: Sept 6)
- Dec. 12-16, 2021 (Denver), [IEEE-SOFE & PPC](#) (deadline: ~~Aug. 15~~)
- June 27-July 1, 2022 (Maastricht), [EPS Conf. Plasma Physics](#) (deadline for invited: Oct. 29)

# AAPPS-DPP invited talk dry runs this week

---

## NSTX-U talks

<https://pppl.zoom.us/j/9632695496?pwd=UU5xWTZXTWU5K3dTNFNwN0s2MjY3dz09>

- **Friday, 3:00PM: W. Guttenfelder** “Gyrokinetic prediction of microstability and transport in NSTX H-mode pedestals”
- **J. Yang (see seminar last week)** “Interaction of fast ions with neoclassical tearing modes in NSTX”

## Boundary / Liquid metal talks

<https://zoom.us/j/5356199734>

- **Thurs, 1:30PM: A. Khodak** “Plasma Facing Components with Capillary Porous System and Liquid Metal Coolant Flow”
- **Thurs, 2:30PM: Z. Sun** “Suppression of larger ELMs and triggering of small ELMs with gravitationally accelerated Li granules in EAST”
- **Friday, 4:00PM: A. Diallo** “ELM Suppression by Real-Time Boron Powder Injection”

# APS-DPP remains hybrid format

---

- [Sept. 3 announcement from Mike Brown](#)
- [Sept. 14 PPPL email](#): DOE travel ban is still in effect. Please register for virtual APS attendance.
- **Tuesday Nov. 2** scheduled for NSTX-U / ST oral dry runs ([session UO08](#))  
Devon Battaglia, Xin Zhang, James Yang, Weixing Wang, Mate Lampert, Tom Looby, Promise Adebayo-Ige, Masa Ono