

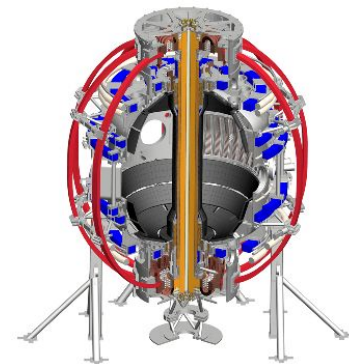


NSTX-U / Magnetic Fusion Science Meeting

April 22, 2019

Agenda

1. Calendar, community activities
2. NSTX-U research (*S. Kaye*)
3. Opportunities for RF research at PPPL (*M. Ono*)



Upcoming meetings, deadlines, ...

- SOFE (June 2-6), Ponte Vedra Beach, FL
 - Mini-courses on MPI & Fusion Neutronics on June 2, good for students & folks new to field
- EPS-DPP (July 8-12), Milan
- Theory & Simulation of Disruptions Workshop (Aug 5-7), PPPL
- IAEA TM on EP (Sept. 3-6), Japan
- ISHW (Sept 23-27), Madison (*abstracts due May 15*)
- Symposium on Liquid Metals (Sept 30 - Oct 3), Urbana-Champaign, Illinois (*abstracts due May 24*)
- H-mode WS (Oct. 9-11), Shanghai (*abstracts due July 1*)
- APS-DPP (Oct 21-25), Ft. Lauderdale (***invited nominations due May 8***)
- AAPPS-DPP (Nov. 4-8), Hefei (***invited abstracts due April 15; contributed due June 15***)

Community activities - get involved!

- Upcoming Town halls and Workshops
 - Town halls (~~TTF - March~~, ~~Sherwood - April~~, SOFE - June)
 - Workshop #1 ~ late July
 - Workshop #2 ~ early November
 - “Snowmass” meeting ~ Jan/Feb 2020
- Will be looking for input / whitepapers before Workshop #1
 - DPP-CPP website: <https://sites.google.com/pppl.gov/dpp-cpp>
 - Join DPP-CPP google group for info:
<https://groups.google.com/forum/#!forum/dpp-cpp>
- Start your own initiatives / whitepapers, reach out to your colleagues to participate in ongoing initiatives
 - PPPL (<https://sites.google.com/pppl.gov/fesac-rtf/home>)
 - GA “next step device” scoping exercise (reach out to R. Buttery - see April 1 talk slides)
 - Others?

NSTX-U Research (Kaye)

APS-DPP Meeting deadlines

- May 8 - Invited talk nominations:
<https://docs.google.com/spreadsheets/d/1IHKgLWB4Fbc-S3BbqMM2dUYC0r27AjRUKxgyxKOGauo/edit - gid=0>
 - Ruiz-Ruiz: Validation of electron-scale turbulence modeling
 - Battaglia: EPH-mode
 - Guttenfelder: Electron-scale turbulence in pedestals (DIII-D related)
 - Raman: EPI for disruption mitigation
 - Lestz: Mitigation of anomalous electron transport via sub-cyclotron Alfvén waves
- Contributed talks – Need count
 - https://docs.google.com/spreadsheets/d/1NxC9pKp_a31Jzxmoz3xiXYp0FIGsU5gZ3PKKTUk2Wwo/edit#gid=0

PAC-40

- Planning for one-day videoconference sometime during last two weeks of June – still working on Charge language
 - Intro talk: OV, response to PAC-30 recommendations, Summary of OPA II findings/recs, etc
 - Project Recovery status
 - Recent results/plans: how they advance Milestones for ST0-related research, collaboration activities
 - LM strategy: national, how NSTX-U fits in
 - NAS BP findings: how NSTX-U can contribute/impact development of national strategy