

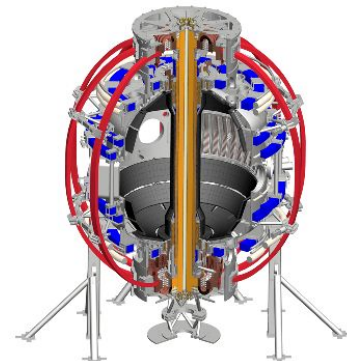


# NSTX-U / Magnetic Fusion Science Meeting

Aug. 6, 2018

## Agenda

1. Request for speakers, upcoming deadlines & reviews
2. Theory MFE research activities (*Bhattacharjee, 5 min*)
3. Modeling disruptions & disruption mitigation with M3D-C1 (*Ferraro, 25 min*)



# Please volunteer and/or suggest speakers for the NSTX-U / Magnetic Fusion Science Meeting

- We haven't been meeting frequently as a team
  - Much/most research is obviously collaborative during NSTX-U outage, ...
- The weekly physics meeting is a great venue to gather as a team to discuss MFE research, even if broader than NSTX-U
- **Need speakers** (should be no shortage of speakers at a national fusion lab: NSTX-U, collaborations, Theory, collaborators & visitors...)
  - Especially next few weeks Aug. 13, 20, 27
  - Thank you to those who have responded for Sept/Oct dates
- Looking for 20-40 min talks
- **Adding regular (~5 min) dept. research updates**
  - Rajesh/Brian – Tokamaks (DIII-D, EAST, KSTAR ...)
  - Hutch/Dave/Chuck – Advanced projects (stellarators, systems studies)
  - Amitava – Theory (MFE)
  - Jon/Stefan/Stam/Dick – STs (NSTX-U Recovery, LTX- $\beta$ , MAST-U)

# Upcoming deadlines

- NSTX-U FY18 year end report (due to FES by Aug. 31)
  - **Please provide input to TSG/SG leaders now, especially executive summary key result bullet points**
  - **All** should update publications, talks, meeting organization, membership/leadership in [https://docs.google.com/document/d/1aR6PRrFLmoawKed\\_F\\_SJYUHrIL-xz5jK6G-okH\\_QsCqM/edit](https://docs.google.com/document/d/1aR6PRrFLmoawKed_F_SJYUHrIL-xz5jK6G-okH_QsCqM/edit)
- IAEA-FEC (Oct. 22-27) contributions to NSTX-U Overview paper
  - **Due to Stan Kaye now**
  - Paper submissions end of Aug. to end of Sept (plan for review by co-authors et al.)
  - Start dry runs week of Oct. 8 (OV - combined with MAST-U)
- APS (Nov. 5-9)
  - Invited talk table layouts early Oct. (before IAEA, Oct. 22) - hopefully!
  - Poster dry runs, Oct. 29 – Nov. 2 (week between IAEA & APS)
- Director's Review (Sept 5-7, 2018) = <https://sites.google.com/pppl.gov/dricereview/agenda>