

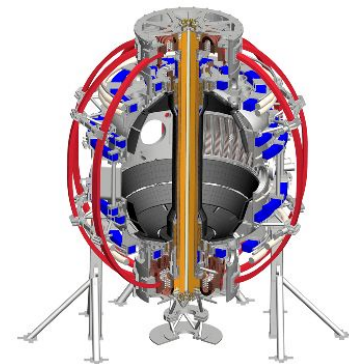


Weekly NSTX-U Physics Meeting

July. 30, 2018

Agenda

1. NSTX-U year end report, upcoming deadlines and reviews
2. Update of TRANSP development (*Poli, 5 min*)
3. Advanced Project activities (*Neilson, 5 min*)
4. Observations from recent experiments of wall conditioning by means of boron powder injection in AUG and DIII-D (*Bortolon, 30 min*)



Please volunteer and/or suggest speakers for the Monday Physics 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 Aug. 6, 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/Stan/Dick – STs (NSTX-U Recovery, LTX- β , MAST-U)

Upcoming deadlines

- NSTX-U FY18 year end report
 - Draft *full* report due to FES for review Aug. 31
 - **All** should update publications, talks, meeting organization, membership/leadership in https://docs.google.com/document/d/1aR6PRrFLmoawKed_F_SJYUHrIL-xz5jK6G-okHQsCqM/edit
 - Other contributions in GoogleDoc due to Suzette Horst Friday Aug. 10 (10 am)
 - Draft sections to SG leaders by Mon., Aug. 6 for Exec. Summary writing
 - Please provide input to TSG leaders **this week**
 - **Jon: executive summary key result bullet points used by FES for PPPL “lab grades”**
 - Even if terse placeholder text & figures, need complete scope of content for Exec. Summ.
 - This includes Milestone reports
 - Milestone progress presentations, Mon. 8/6 at 10:30 AM in B252 (WG, DB)

Upcoming deadlines (cont'd)

- 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)
- Other Recovery reviews
 - Director's Review (Sept 5-7, 2018) =
<https://sites.google.com/pppl.gov/dricereview/agenda>