National Spherical Torus eXperiment Upgrade

NSTX-U / Magnetic Fusion Science Meeting

March 1, 2021





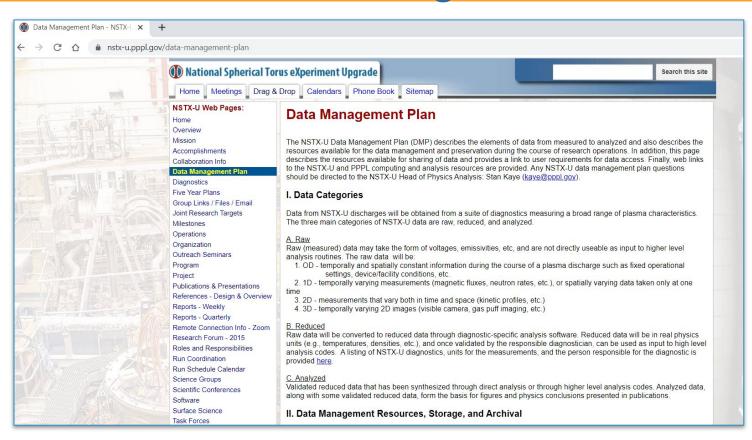
Some upcoming events

- April 19-23, 2021 (virtual), US Transport Task Force
 - March 8: deadline for plenary & contributed talks
- Sherwood theory conference (TBD)
- May 10-15, 2021 (virtual), <u>IAEA-FEC</u>
 - April 9, 2021: Conference "pre-prints" due
 - May 31, 2021: Nuclear Fusion manuscripts due
 - If you haven't already, please let me know if you have results to be included in the NSTX-U Research Overview paper and poster (talk is rapporteured)
 - Should be work that's new since FEC 2018 as published in Kaye et al. Nucl. Fusion 59, 112007 (2019): <u>https://doi.org/10.1088/1741-4326/ab023a</u>
 - I intend to have a draft of the Nucl. Fusion paper done by March 26
- June 21-25, 2021 (virtual), EPS Plasma Physics Conference
- July 6-9, 2021 (virtual), Joint Asia-Pacific-US-EU Transport Task Force
- Sept 6-10, 2021 (virtual), EU-US Transport Task Force (deadline: April 16)
- Sept 26 Oct. 1 (virtual/Fukuoka), AAPPS-DPP (invited nominations due April 30)
- Nov. 8-12, 2021 (virtual/Pittsburgh), APS-DPP (invited nominations typically May)

FYI: Much information found at <u>nstx-u.pppl.gov</u>



Much information on data usage, access, publishing, archiving



NSTX-U

Data usage, access, publications & presentations

- <u>Data Usage Agreement</u> should be filled out by all collaborators intending to present & publish data, analysis and/or modeling
 - Data access: If you don't already have access, reach out to your PPPL research contact

Publications

- Prior to journal submission, should email Head of Physics Analysis (<u>wgutten@pppl.gov</u>) to distribute for ~1 week Team review
- Data in figures should be <u>archived</u> (<u>instructions</u>, <u>how-to guide</u>) & the ARK link should be included in the paper
- First PPPL author is responsible for submitting draft (and eventual Accepted Manuscript) to <u>Publications Office</u> for review, patent clearance and OSTI archiving

Please read the webpages to educate yourself on <u>your</u> responsibilities

Talk & poster presentations

Archive of slides in this <u>DragNDrop directory</u> (not sure how up-to-date this is)

- Bigger conferences (APS, EPS, IAEA, TTF, Sherwood): we ask that you do a dry run with appropriate Team members (these will typically be Team-coordinated, especially APS & IAEA)
- Smaller conferences: as a courtesy (mostly for awareness) we ask you to please email Head of Research (<u>skaye@pppl.gov</u>) and Head of Physics Analysis (<u>wgutten@pppl.gov</u>) that you are contributing
- Seminar and outreach talks: no communication required; however, we are (were) keeping a <u>directory</u> of <u>Outreach talks</u> to which we would happily update and add new talks for future reference

NSTX-U Team talks

Feb. 8 - "Executive Summary" overview of NSTX-U Five Year Plan (2021-2025)

Feb. 15 - first 7 collaborator talks

Next talks: Today and March 8

- ~15 minute talks, suggested content:
 - An overview of the planned research & diagnostic activities for NSTX-U in this five year period (feel free to include progress since funding commenced)
 - Please highlight which Objective(s) and Thrust(s) from the <u>NSTX-U Five</u> <u>Year Plan</u> the research addresses
 - An estimated schedule of activities
 - Key needs or requirements, including on- and off-site personpower resources

Agenda for collaborator talks

| Time (ET) | February 15 | March 1 | March 8 |
|-----------|--------------------|---------------|-----------------------|
| 1:35 | Thome | Schuster | Mordijck, Fitzpatrick |
| 1:50 | Sabbagh | Kolemen | Luhmann |
| 2:05 | Raman | McKee | Allain, Koel, Woller |
| 2:20 | Crocker, Lin | Rhodes | Baek |
| 2:35 | Heidbrink, Stagner | Brower | Levinton |
| 2:50 | Wirth | Soukhanovskii | Tritz |
| 3:05 | Unterberg | | |