National Spherical Torus eXperiment Upgrade

## NSTX-U / Magnetic Fusion Science Meeting

#### October 4, 2021





### Some upcoming events

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

### **APS-DPP remains hybrid format**

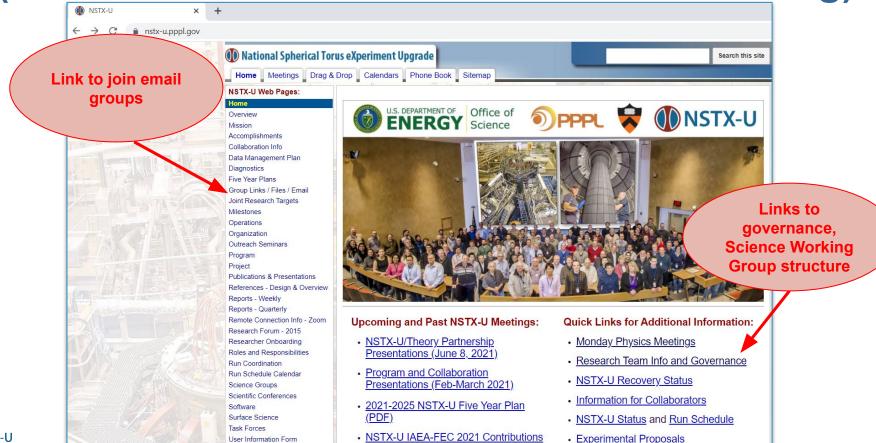
- Sept. 3 announcement from Mike Brown
- <u>Sept. 14 PPPL email</u>: DOE travel ban is still in effect. Please register for virtual APS attendance.

 Tuesday Nov. 2 scheduled for NSTX-U / ST oral dry runs <u>ST session UO08</u>: Devon Battaglia, Xin Zhang, James Yang, Weixing Wang, Mate Lampert, Tom Looby, Promise Adebayo-Ige, Masa Ono <u>Pedestal session ZO07</u>: Andreas Kleiner, Walter Guttenfelder <u>Session CO07: MFE: Turbulence and Transport I</u>: Nirmal Bisai

# Talks today from newest NSTX-U collaboration awards

- Three newly funded NSTX-U collaborators (FY22-25)
- "Understanding and Predicting Pedestal Scenarios in NSTX-U" (David Hatch, U-Texas, Austin)
- "GA-Theory Collaboration with NSTX-U" (Gary Staebler, General Atomics)
- "Resistive Stability and Shape Optimization Research in NSTX-U" (Carlos Paz-Soldan, Columbia U.)
- Will hear short (<=15 min) talks on plans, timeline, needs
- Same format as first round of collaborator talks in Feb/March 2021 (link)

## Please join Science Working Group email list (intention is for some SWGs to start meeting)

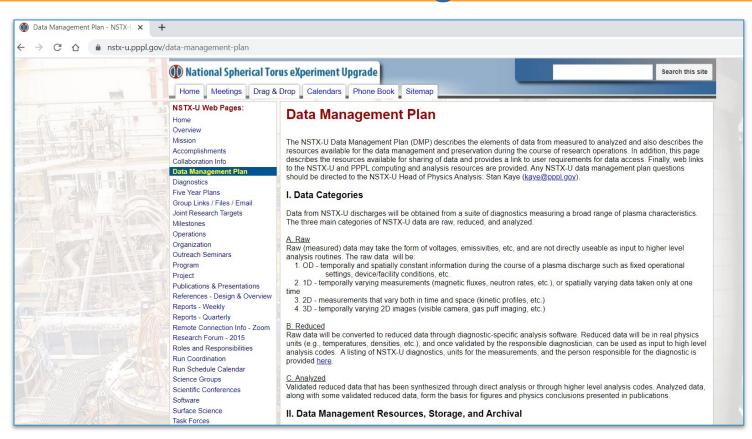


**NSTX-U** 

### 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