

 **National Spherical Torus eXperiment Upgrade**

# **NSTX-U / Magnetic Fusion Science Meeting**

**Feb. 8, 2021**

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# Some upcoming events

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- Final [FESAC LRP report](#) due any day now
- Feb. 17, 2021, [Webinar](#) release of NASEM report on “Key Goals and Innovations Needed for a U.S. Fusion Pilot Plant”
- April 19-23, 2021 (virtual), [US Transport Task Force](#)
  - March 8: deadline for plenary & contributed talks
- May 10-15, 2021 (virtual), [IAEA-FEC](#)
  - 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): <https://doi.org/10.1088/1741-4326/ab023a>
  - **I intend to have a draft of the Nucl. Fusion paper done by March 26**
- June 21-25, 2021 (virtual), [EPS Plasma Physics Conference](#)
  - New & updated contributed abstracts accepted Jan 25 - Feb. 19

# NSTX-U Team talks

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## Today (Feb. 8)

- Concise “Executive Summary” overview of NSTX-U Five Year Plan (2021-2025)
  - Mostly highlighting “Deliverables”; see [FYP](#) document and [PAC-41 talks](#) for details
- Brief discussion of program structure, governance, science working groups

## Next few weeks (Feb. 15, March 1 & 8)

- NSTX-U collaborators to give ~15 minute talks on activities
- 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 [NSTX-U Five Year Plan](#) the research addresses
  - An estimated schedule of activities
  - A list of key needs or requirements, including on- and off-site personpower resources

# Agenda for collaborator talks

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Time (ET)	February 15	March 1	March 8
1:30	Thome	Schuster	Mordijck, Fitzpatrick
1:45	Sabbagh	Kolemen	Luhmann
2:00	Raman	McKee	Allain, Koel, Woller
2:15	Crocker, Lin	Rhodes	Baek
2:30	Heidbrink, Stagner	Brower	Levinton
2:45	Wirth	Soukhanovskii	Tritz
3:00	Unterberg		