

## NSTX Data Usage and Publication Agreement

NSTX Research is carried out by a multi-institutional collaborative Research Team. All Research Team members are offered full access to NSTX data as it is collected and analyzed. This privilege entails responsibility by the Research Team members, both on-site and off-site, to ensure that the data are used properly, interpreted correctly, and that appropriate credit is given for the provided measurements, systems operations, and analyses.

The undersigned member of the NSTX Research Team agrees to adhere to the following guidelines of the NSTX data usage and results publication.

- 1) No Research Team member will be given direct access to unpublished NSTX data until this agreement has been signed by the Research Team member, and submitted to the NSTX Head of Research.
- 2) It will be the responsibility of the diagnostic physicists to produce calibrated and validated data in a timely fashion. Such data result from reducing the measured raw signals to a form that can be used for analysis in support of an ongoing experiment or for subsequent analysis, and then validating and releasing by the responsible diagnostic physicist for such use. This data will hereafter be referred to as “validated reduced data”.
- 3) Validated reduced data will be available to the entire NSTX group for physics analysis of any type (data analysis, modeling, and theory), pursuant to Item 1. There will be no restriction on any individual, or group of individuals, from performing physics analysis that uses validated reduced data either “between-shots” (in support of the ongoing experiment) or “off-line”.
- 4) Similar to the guidelines for validated reduced data, and pursuant to Item 1, the results of the physics analysis will be available to the entire NSTX Research Team. The results of the high-level analysis (between-shots or off-line modeling) are to be validated in a timely fashion, and can be used without restriction to support the physics analysis of any research team member.
- 5) It is expected that the responsible physicist will write up as first author the first results from his/her efforts. “Efforts” includes diagnostic measurements, subsystems, experiments, analysis, etc. In later papers, if one is actively involved in the analysis of data, that person would be in the first alphabetical group of authors after the first author. In general, authorship priorities are:
  - a) First author – person who leads the effort in the experiment or analysis, and who writes the paper
  - b) First alphabetical group of authors after the first author – persons who have actively contributed to the work through experiment, analysis, writing, etc.

c) Second alphabetical group of authors – other persons who have contributed to the work through data, operations, analysis, etc.

6) It will be the responsibility of the first author to elicit comments on a draft of the paper from the co-authors and the NSTX Team. The NSTX Head of Research will oversee this process, ensuring proper credit and co-authorship, and sufficient peer review in a reasonable time scale (~ 2 weeks), before recommending its submittal for presentation or publication. This will be done in coordination with the NSTX Division Heads where appropriate. Any disputes about the paper that cannot be resolved at the Divisional level, will be resolved by the NSTX Program and Project Directors, with advisement of Head of Research and Division Heads.

7) Presentations at conferences and workshops of NSTX physics results will be coordinated and recommended by the Head of Research, in consultation with the Division Heads, for approval by the Project and Program Directors. Major presentations will require rehearsal to the NSTX Research Team at an appropriate time ( $\geq 1$  week before travel by the presenters).

8) In order to disseminate knowledge to the full Research Team and the public, presentations and publications will normally be posted on the WEB, either at the researcher's home institutions and linked to the NSTX server, or directly on the NSTX server. In addition, results will be written up and disseminated as a PPPL report or a report of a Research Team member's home institution. Patent clearance and acknowledgment of DOE funding is required for all reports. The patent clearance and institutional report system of the first author's home institution will be utilized unless the first author, if not a PPPL employee, chooses to issue the report via the PPPL system.

9) The first author of report or publication on NSTX research results, prepared by the home institution of a Research Team member, should in a timely manner inform the NSTX Research Team by submitting copy of the report or publication to the NSTX Head of Research.

Signature \_\_\_\_\_

Date \_\_\_\_\_

Institution \_\_\_\_\_