

# LHD Data Usage and Publication Rules

24 August 2022

## *LHD Experiment Board*

The undersigned member of the LHD experiment group agrees to adhere to the following guidelines for LHD data usage and results publication.

### 1) LHD experiment group

LHD Research is carried out by domestic/international multi-institutional collaborative researchers. To be recognized as a member of the LHD experiment group, an individual must be a member of an officially approved collaboration (NIFS Bi-Directional Research Collaboration or NIFS Research Collaboration) or must have submitted an LHD experiment proposal every experimental campaign through a host researcher (contact person) in NIFS to the LHD Experiment Board which was subsequently approved by the board. If these submissions are not made, the membership and this data usage agreement will lapse.

### 2) Data access

All members of the LHD experiment group are offered full access to LHD data as they are collected and analyzed. Each member of the LHD experiment group must ensure that the data are used properly, interpreted correctly, and that appropriate credit is given for the provided measurements, systems operations, and analyses. It is prohibited to transmit any unpublished LHD data to a non-member of the LHD experiment group.

### 3) Data validation

The author should check the validation of the data available to the LHD experiment group by contacting the scientists in charge of the diagnostic, analysis, modeling through the host researcher (contact person) before making a presentation and/or writing a paper.

### 4) Author list

It is expected that a researcher responsible for the results of his/her efforts will produce a paper based on the results as a first author. "Efforts" include developing diagnostic and sub-systems, planning and executing experiments, conducting analysis, etc. In general, authorship is:

- a) First author – the person who leads the planning and executing of research, and either makes the presentation at a conference or writes the paper.
- b) Co-authors – persons who have actively contributed to the work through experiment, analysis, writing, or as host researchers (contact persons) in case the first author is a collaborator.
- c) LHD experiment group – a group of people who have supported the LHD experiment. The "LHD experiment group" should be included in the Acknowledgement, not in the co-authors when the topics of the paper or presentation are related to the LHD experiment.

### 5) Publication process

- a) The first author shall circulate a manuscript to be submitted to co-authors for review and approval.
- b) The first author shall make a presentation showing the contents of the manuscript in the LHD Physics Meeting for the LHD experiment group (see section 6)). After the presentation in the

LHD Physics Meeting, the first author shall post the manuscript and related information on the NAIS (Web-based NIFS Article Information Server) for group-wide comments to the first author.

- c) The LHD Experiment Board shall review and approve the content and authorship of the manuscript utilizing LHD experimental results before external use.
- d) Disputes about the manuscript that are not resolved among the authors or the Research Team members shall be brought promptly to the attention of the LHD Experiment Board for a resolution.

#### 6) Presentation

Presentations at conferences and workshops and accompanying proceedings/papers based on LHD experimental results should be coordinated by the LHD Experiment Board. All presentations will require a rehearsal or dry run at the LHD Physics Meeting or an appropriate meeting. This rehearsal or dry run should be given by the first author. In exception, if the first author can't make the presentation, a presentation by one of the co-authors will be acceptable.