Equilibrium registration on ISH-PDB

TSMAP-defined equilibrium (for LHD High-Ti) has been registered

Implimentation for issuing password (LHD equilibrium data)
based on agreement achieved in CWGM8

(1) Users:
Submission of
(a) A signed “LHD Data Usage and Publication Agreement” (cf., p.2)
(b) Research Proposal (cf., p.3)
to yokoyama@LHD.nifs.ac.jp

⇒ documents (a) and (b), are downloadable from ISH-PDB page.

(2) NIFS:
Discussion on LHD Experiment Board
The document (1)(b) is used for discussion

(3) Issuing password

LHD Data Usage and Publication Agreement

25th April, 2011
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 a domestic/international multi-institutional collaborative Research Scientist. In order 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 in NIFS to the LHD Experiment Board and had approval by the board.

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 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 It is prohibited to transmit any unpublished LHD data to a non-member of the LHD experiment group.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 before making a presentation and/or writing a paper.

4) Author list

It is expected that the physicist responsible for the first results from his/her efforts will produce the initial paper on these results as a first author. "Efforts" include diagnostic measurements, subsystems, experiments, analysis, etc. In general, authorship is:

a) First author – person who leads the planning and execution 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, host researcher in case the first author is a collaborator.

c) LHD experiment group – group of people who have supported to the LHD experiment. The "LHD experiment group" should be included in the author list when the topics of the paper or presentation are related to the major topics of the LHD experiment

5) Publication process

a) The first author shall circulate the paper to coauthors for review and approval.

b) The first author shall post the material on the NAIS (Web based NIFS Article Information Server) for group-wide comments to the first author and make a presentation to the LHD experiment group (see section 6)).

c) The LHD Experiment Board shall review and approve the content and authorship of papers and presentations utilizing LHD data before external use.

d) Disputes about the paper or the presentation 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 resolution.

6) Presentation

Presentations and accompanying papers at conferences and workshops of LHD physics results should be coordinated by the LHD Experiment Board. All presentations will require a rehearsal at the LHD experiment group meeting or a dry run at an appropriate time. This rehearsal or dry run should be given by the first author. In exception, if it is impossible for the first author to make the presentation, the presentation by one of the co-author will be acceptable.

7) Acknowledgement

Acknowledgment of NIFS staff or NIFS collaboration supporting the work is required for papers. The budget cost to support this work should be noted in the acknowledgement.

+ Example :

When the "LHD experiment group" is included in the author list

The authors would like to thank the technical staff in LHD for their support of this work. This work is partly supported by a Grant-in-aid for Scientific Research (xxxxxxxx,xxxxxxxx) of MEXT Japan and by the National Institute for Fusion Science grant administrative budgets (NIFSxxxxxx, NIFSxxxxx).

When the "LHD experiment group" is not included in the author list

The authors would like to thank the LHD experiment group and the technical staff in LHD for their support of this work. This work is partly supported by a Grant-in-aid for Scientific Research (xxxxxxxx,xxxxxxxx) of MEXT Japan and by the National Institute for Fusion Science grant administrative budgets (NIFSxxxxxx, NIFSxxxxx).

Host researcher _____

Name_____

Signature_____ Date_____

Institution_____

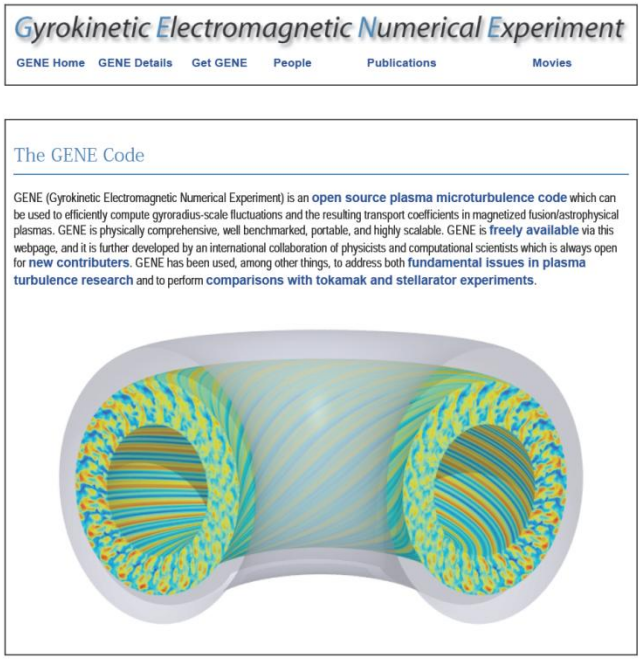
International Stellarator-Heliotron Profile Database (ISH-PDB)
Research Proposal utilizing registered LHD equilibrium data

Name :	Affiliation :
Host researcher in NIFS:	
Title of collaborative research :	
Background, Purpose, Goal, Anticipated Results of the Proposal	
Research Plans, Approach, Expected Presentation/Papers	
Special Remarks	

Modified from LHD
Experiment Proposal format

Possible extension of PDB

http://www.ipp.mpg.de/~fsj/gene/



GK benchmarking activity (X.Pavlos)

- wout (vmec2000 output): standard format
- various configurations (LHD, W7-X, NCSX, TJ-K, …)
  22 equilibrium
- results will also be posted (book-keeping: X.Pavlos)

⇒ Mutual link to be established

~ Edge turbulence database
~ application to actual profiles on PDB