Proposal categories

1. physics of ion-heating systems (scenario development, optimization, etc.)
   1.1 NBI system *[S. Lazerson, D. Hartmann]*
   1.2 ICRH system *[D. Hartmann, Y. Kazakov, J. Ongena]*

2. development and operation of FI diagnostics, qualification of phase space tomography *[D. Moseev]*

3. FI confinement studies: confinement in different configurations, low-field operation, confinement improvement with β, slowing-down time verification, etc. *[S. Bozhenkov]*

4. FI driven MHD instabilities and their interaction *[C. Slaby]*

5. FI effect on plasma performance: ITG stabilization by FIs, FI contribution into W_{dia}, current drive (e.g. NBCD) *[S. Bozhenkov, Y. Kazakov]*

6. validation of FI models *[S. Lazerson]*

Boundary conditions for proposals

The following information is highly valuable for proponents and should be presented at least in the topical group (but ideally also in the W7-X seminar). In addition, requirements of the scientists can be communicated during such presentations and can be included into procedures and plans in future.

- system capabilities of NBI, ICRH and diagnostic systems
- commissioning plans for NBI and ICRH
- safety procedures for operation of NBI and ICRH systems (scenario validation?)

Next Steps

- category coordinators collect ideas for experimental proposals and can actively suggest ideas
- once proposals are collected, a summary presentation is to be given in TGFI
- we, in the TGFI, discuss proposals, highlight connections to the high-priority campaign objectives and may suggest new ideas and/or boundary conditions
- if required, we can iterate on some proposals of particular importance
- TFLs participate in the discussion