OP2 proposals

Boundary conditions for proposal submission were recently refined.

- Proposal submission will be open for the whole of March 2022.
  - internal discussion should be finished before March
  - this gives 7 meetings in 2022 for the discussions: 14.01, 21.01, 28.01, 04.02, 11.02, 18.02, 25.02
- Proposal form is improved
  - proposals are submitted not to a TF but are associated with goals and deliverables
  - description includes 3 fields: background, relevance to the program, approach and methodology
  - magnetic field configurations are specified by the same IDs as in the configuration database and not by reference names (standard etc.); new configurations can be requested in the database
- New TG on Heating Systems will be announced soon.
  - we will need to closely cooperate with the new topical group
  - in particular, topics on physics of ion-heating systems will be discussed jointly

Discussion schedule per category

1. physics of ion-heating systems (scenario development, optimization, etc.) → to be done jointly with TG Heating Systems, 21.01.2022?
   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]* → 14.01.2022

3. FI confinement studies: confinement in different configurations, low-field operation, confinement improvement with β, slowing-down time verification, etc. *[S. Bozhenkov]* → 11.02.2022/18.02.2021

4. FI driven MHD instabilities and their interaction *[C. Slaby]* → 20.01.2022/04.02.2022

5. FI effect on plasma performance: ITG stabilization by FIs, FI contribution into W_{dia}, current drive (e.g. NBCD) *[S. Bozhenkov, Y. Kazakov]* → 04.02.2022

6. validation of FI models *[S. Lazerson]* → 28.01.2022?

Expected information

Proposal ideas should not be very detailed yet, but should include essential information for the discussion:

- main idea
- relevance for the high level objectives
- magnetic configurations
- required heating systems
- required diagnostics
- ideally, a list of involved scientists