

Research program update and comments

E.J. Synakowski

NSTX Team Meeting
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Recent activities include an intense week of 9/20 - 9/24

- Results Review
 - **56** presentations over two days!
 - Valuable for the group: an archive of talks is now on the Web as a result, being drawn upon for the IAEA and APS papers
 - Preparation valuable for the preparers themselves in the fall meetings
 - Thanks to Mike Bell for prep work

The Research Forum revealed a crowded run plan, and some ideas for improving how we conduct experiments

- Clearly oversubscribed for 14 run weeks
- Later this fall (probably December) - we will have gatherings to identify cross-cutting tasks and how to approach them programmatically, including control work.
- New XP prep requirements discussed - these will be implemented
 - For XPs to be run this FY: XP leaders must link up with a physics operator, preferably before the ET discussion and certainly before the XP review
 - XP leaders will be asked to identify XP deputies to help in the control room - shot logging, general running of interference

The aim is to simplify decision making in the control room for the session leader, and to maximize efficiency

Six experimental task (ET) groups will play a key role in developing the run plan

New run coordinator: Jon Menard, new deputy RC: Steve Sabbagh

- Integrated Scenario Development (Maingi, Kessel)
- MHD (Gates, Sabbagh)
- Transport and Turbulence (Kaye, Stutman)
- Wave-Particles (Phillips, Wilson)
- Non-inductive Startup (Raman, M. Bell)
- Edge Physics (Kaita, Boedo)

Many thanks to Henry, Jon, and Phil Ryan for their ET leadership service, to Stan for his run coordination efforts, and to Cynthia for her Physics Analysis leadership

Boundary physics is working hard to optimize its research time

- Recall that it is being asked to be a home to edge stability & transport, as well as edge management issues including a lithium/cryo assessment point
- ELM working group formed - Maingi (meeting early next week)
- Fueling and particle control subgroup (Kaita) - met once already

Upcoming: IAEA, ITPA, APS

- IAEA Talks: dry runs

- Wednesday 10/20 2 PM Kaye Director's C.R.
- Thursday, 10/21 10 AM Maingi B-252
- Thursday, 10/21 2 PM Fredrickson B-252
- Friday 10/22 10 AM Sabbagh Director's C.R.

- Posters

- Monday 10/25 3 PM Kessel, Menard B-318
- Tuesday 10/26 10 AM Stutman B-318

APS meeting, 11/15 - 11/19: tentative preparation schedule

- Invited talks: dry runs (all in B-318)
 - Friday 11/5 10 AM Biewer
 - Monday 11/8 10 AM Sontag
 - Tuesday 11/9 10 AM Stutman
 - APS papers due for review by Thursday, 11/4.
- Oral dry runs on Friday PM, 11/5 and Monday PM, 11/8
- Posters Monday - Wednesday