

3rd IAEA Technical Meeting on Plasma Disruptions and their Mitigation

3-6 Sept 2024

General discussion and Closure

General discussion

- Prediction and Avoidance:
 - Avoidance strategies exist only for limited set of disruption paths (e.g. density limit) and also mainly for steady-state phase of pulse
 - Physics based or ML based predictor for PCS? Transferability of non-dimensionless predictors?

- Mitigation:
 - Pellet parameters: optimum size for SRO? Fragment size distribution? Minimum neon for plasmoid suppression?

- Consequences

- Meeting format: less presentations, but more discussions? Longer meeting (4.5 days instead of 3.5)?

Many thanks to ...

- **Local organization:** ▪ Corinne Jourdan Menet ▪ Richard Pitts
- **IAEA:** ▪ Matteo Barbarino ▪ Palak Jain
- **Chairs:** ▪ Nick Eidietis ▪ Eric Nardon ▪ Fabio Villone
▪ Gabriella Pautasso ▪ Carlo Sozzi ▪ Long Zeng
- **Programme committee:**
 - Indranil Bandyopadhyay
 - Cristina Rea
 - Long Zeng
 - Fabio Villone
 - Gabriella Pautasso
 - Eric Nardon
 - Sergey Konovalov
 - Carlo Sozzi
 - Jayhyun Kim
 - Amitava Bhattacharjee
 - Nick Eidietis
 - Akinobu Matsuyama

Many thanks to ...

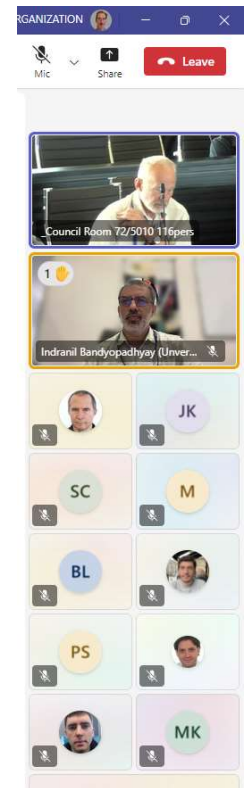
➤ Tour guides:

- Kirsten Haupt
- Richard Pitts
- Anna Vu
- Isabel Nunes
- Uron Kruezi
- Peter de Vries
- Ivo Carvalho
- Albert Loarte
- Luigi Pangione
- Timo Ravensberger
- Javier Artola
- Anthony Sanna
- Tom Wauter



Many thanks to ...

- ... and to all participants – in person and remote!



Next meeting

- **“Theory and Simulation of Disruptions” workshop at PPPL**
- Organized by Nate Ferraro
- Probably in July 2025 (exact date tbc)
- Previous TSD workshops: <https://pppltsdw.princeton.edu/>



ITER DMS on vacuum vessel sector 2

Thank you!

