



# Third Technical Meeting on Plasma Disruptions and their Mitigation

## Tuesday, 3 September 2024

### Prediction & Avoidance - Council Room (10:35 - 12:55)

-Conveners: Gabriella Pautasso

time	[id] title	presenter
10:35	[111] Control of elongated plasmas in superconducting tokamaks in the absence of in-vessel coils	DE TOMMASI, Gianmaria
11:15	[95] Tokamak plasmas in MST with density up to ten times the Greenwald limit	CHAPMAN, Brett E.
11:40	[70] Correlation of the tokamak density limit with edge collisionality	MARIS, Andrew
12:05	[82] RESISTIVE WALL TEARING MODE MAJOR DISRUPTIONS WITH FEEDBACK	STRAUSS, Henry
12:30	[106] Non-equilibrium perturbations of the vertically unstable mode in tokamaks	ISERNIA, Nicola

### Prediction & Avoidance - Council Room (14:55 - 16:00)

-Conveners: Carlo Sozzi

time	[id] title	presenter
14:55	[96] Cross Tokamak Disruption Prediction with Different Methods and from Different Perspectives	ZHENG, Wei
15:35	[66] Implementing deep learning-based disruption predictor in a shifting data environment of new tokamak HL-3	YANG, Zongyu

### Prediction & Avoidance - Council Room (16:20 - 18:00)

-Conveners: Carlo Sozzi

time	[id] title	presenter
16:20	[92] Combining Adaptive Learning and Physics-Guided Machine Learning for Prediction and Control of Anomalies and Disruptions in Tokamaks	ROSSI, Riccardo
16:45	[93] Advancing Interpretability in Artificial Intelligence Disruption Prediction Models: A Cross-Tokamak Perspective	Prof. SIAS, Giuliana
17:10	[68] Time-to-Disruption Estimation Using LSTM Networks	RATTA, Giuseppe
17:35	[99] DECAF update and study of the relationship between electron temperature collapses and disruption triggering through DECAF analysis	BUSTOS RAMIREZ, Guillermo

# Wednesday, 4 September 2024

## Prediction & Avoidance - Council Room (09:00 - 10:35)

-Conveners: Gabriella Pautasso

time	[id] title	presenter
09:00	[74] Development and preliminary calibration of an off-normal warning system for SPARC	SAPERSTEIN, Alex
09:25	[101] Machine Learning model for real-time SPARC vertical stability observers	KUMAR, Arunav
09:50	[116] P&A discussion	Dr SOZZI, Carlo