

Second Technical Meeting on Plasma Disruptions and their Mitigation

Wednesday, 20 July 2022

Prediction & Avoidance - Council Room (09:00 - 10:55)

time	[id] title	presenter
09:00	[5] Applications of machine learning for plasma control in fusion reactors	XIAO, Bingjia
09:40	[33] Disruption paths in high performance scenarios at JET with D, T, and DT plasmas	ALESSI, Edoardo
10:05	[46] Avoiding sensor induced disruptions with use of machine learning	JALALVAND, Azarakhsh
10:30	[8] Insights on disruption physics in MAST using high speed visible camera data	HAM, Christopher

Prediction & Avoidance - Council Room (11:15 - 12:45)

time	[id] title	presenter
11:15	[16] Mode lock precursors from the electron temperature profile in plasma termination on JET	Dr PUCELLA, Gianluca
11:55	[52] Disruption Event Characterization and Forecasting Results and Initial Real-Time Application	SABBAGH, Steven
12:20	[49] Transfer Today's Disruption Prediction Model to Future Tokamaks	ZHENG, Wei

Prediction & Avoidance - Council Room (13:55 - 15:25)

time	[id] title	presenter
13:55	[37] Control and machine learning algorithms for disruption avoidance and proximity control	BOYER, Mark
14:35	[27] Proximity-to-Instability Control and Cross-Machine VDE Stability Metrics on DIII-D and KSTAR	BARR, Jayson
15:00	[25] The Desirability of Locking for RF Stabilization of Islands in Large Tokamaks	REIMAN, Allan

Prediction & Avoidance - Council Room (16:55 - 17:40)

time	[id] title	presenter
16:55	[58] P&A Discussion	