



# 4th IAEA Technical Meeting on Fusion Data Processing, Validation and Analysis

## Friday, December 3, 2021

### Friday 3 Dec: Integrated Data Analysis; (Chaired by R.Fischer) (12:00 PM - 1:50 PM)

time	[id] title	presenter
12:00 PM	[31] Integrated Data Analysis: Status and Prospects for Future Fusion Devices	FISCHER, Rainer
12:15 PM	[83] DEVELOPMENT OF SYNTHETIC DIAGNOSTICS FOR ITER	SCHNEIDER, Mireille
12:30 PM	[40] ANALYSIS OF ELECTRON CYCLOTRON EMISSION MEASUREMENTS WITH RADIATION TRANSPORT MODELING IN PRESENT AND FUTURE FUSION DEVICES	DENK, Severin
12:55 PM	[10] Implementation and validation of swept density reflektometry to integrated data analysis at ASDEX Upgrade	STIEGLITZ, Dirk
1:10 PM	[68] Synthetic diagnostics tools for identification of the L-H transition in ITER PFPO campaigns	MEDVEDEVA, Anna
1:25 PM	[67] IMAS - INTEGRATED WORKFLOW FOR ENERGETIC PARTICLE STABILITY	Mr POPA, Alin
1:40 PM	[34] WEST DATA PROCESSING WORKFLOW AND STATISTICAL ANALYSIS	MORALES, Jorge

### Friday 3 Dec: Big data; (Chaired by J. Stillerman) (1:50 PM - 3:45 PM)

time	[id] title	presenter
1:50 PM	[6] Near real-time streaming analysis of big fusiondata	KUBE, Ralph
2:05 PM	[45] FUSION CLOUD – Open Science Platform for Fusion Research in Japan –	Dr NAKANISHI, Hideya
2:20 PM	[55] TOWARDS IMPLEMENTING THE FAIR4FUSION OPEN DATA BLUEPRINT	Mr OWSIAK, Michal KONSTANTOPOULOS, Stasinou
2:35 PM	[57] DEVELOPMENT OF A FAIR BASED APPROACH TO DATA MANAGEMENT AND SHARING WITHIN EUROFUSION	STRAND, Pär
2:50 PM	[81] DATA-DRIVEN DISCOVERY APPROACH TO TACKLE TURBULENCE IN FUSION PLASMA	Mr SALAZAR, Luigui
3:05 PM	[19] Experimental data analysis and Proposal validation of EAST tokamak based on machine learning approach	WAN, Chenguang
3:15 PM	[39] PROVENANCE IN FUSION: APPLYING THE W3C-PROV MODEL TO FUSION DATA	CUMMINGS, Nathan
3:25 PM	[41] Full life-cycle provenance of physical modules repositories for integrated modeling and analysis workflow	Mrs LIU, Xiaojuan
3:35 PM	[48] Making MAST Open Data FAIR Compliant	DE WITT, Shaun