



# 10. Annual MT Meeting

## Wednesday 18 September 2024

### Plenary: Opening plenary - RUD25 3.001 (13:00 - 15:00)

time	[id] title	presenter
13:00	[1] Introduction and Welcome	MUELLER, Anke-Susanne JANUSCHEK, Friederike BEHNKE, Ties
13:30	[2] Measuring Wendelstein 7-X: validating plasma physics in fusion experiments	DINKLAGE, Andreas
14:15	[3] The DOE high performance data facility	BOEHNLEIN, Amber

### Plenary: Program Highlights - RUD25 3.001 (15:30 - 17:00)

time	[id] title	presenter
15:30	[4] Highlights of ARD: Reinforcement Learning and Differentiable Simulations	KAISER, Jan
15:45	[32] Highlights of ARD: Results from the Heavy Ion Injector Linac	BARTH, Winfried
16:00	[5] Highlights of DTS: electronCT- A Medical Imaging Technique Using 100-250 MeV Electrons	DE SILVA, Malinda
16:15	[33] Highlights of DTS: Lambda-SQUIDS SQUID-based superconducting microcalorimeters with in-situ tunable gain for high- resolution X-ray emission spectroscopy	KEMPF, Sebastian
16:30	[6] Highlights of DMA: Generative machine learning for fast simulation in Particle Physics	GAEDE, Frank
16:45	[34] Highlights of DMA: The ROCK-IT Project: Near real-time analysis and machine learning	HARTMANN, Gregor

# Thursday 19 September 2024

## Plenary: Plenary 3 - RUD25 3.001 (14:30 - 16:00)

time	[id] title	presenter
14:30	[7] The Helmholtz Foundation Models Initiative	KAINMUELLER, Dagmar
15:15	[8] Trends in Electronic Packaging from Pixel-Detector Packing to High Performance Computing	FRITZSCH, Thomas

# Friday 20 September 2024

## Plenary: Closing plenary - RUD25 3.001 (11:00 - 13:30)

time	[id] title	presenter
11:00	[9] Commissioning of APS-U – World's First Swap-Out Injection-Based Light Source	SAJEV, Vadim
11:45	[10] The Innovative Research Infrastructure on applied Superconductivity (IRIS)	STATERA, Marco
12:30	[11] Cryogenic high energy lasers at high average power	PERGAMENT, Mikhail
13:15	[12] Closeout	