

12th MT ARD ST3 Meeting 2024 in Darmstadt 3 to 5 July

Thursday 4 July 2024

Session 4: Beam Dynamics: Talks - Raum Berlin (13:00 - 14:20)

-Conveners: Erik Bruendermann

time	[id] title	presenter
13:00	[31] TRIBs in Advanced Light Sources – An analysis based on Lie Algebra Calculations	ARLANDOO, Michael
13:20	[32] STERN Project - Terahertz Science at European XFEL	LEMERY, Francois
13:40	[33] Overview of ultrafast electron scattering activities	NIEMCZYK, Raffael
14:00	[34] FPGA-based online pulse-resolved detection at light sources	DE OLIVEIRA, Thales

Friday 5 July 2024

Session 4: Beam Dynamics: Speed Talks and Poster - Raum Berlin and Terrasse for posters (10:00 - 12:00)

time	[id] title	presenter
10:30	[50] Cheetah – A High-speed Differentiable Beam Dynamics Simulation for Machine Learning Applications	KAISER, Jan
10:33	[68] Utilizing differentiable beam dynamics code for simulated optimization	XU, Chenran
10:36	[65] Investigation of transit time spread in tune scan slow extraction at SIS18 GSI	YANG, Jiangyan
10:39	[41] Emittance Optimization studies with Photo-Injector Laser Pulse shaping for PITZ	ZEESHAN, Sumaira
10:45	[46] Discussion at posters	