

2021 IOTA/FAST Collaboration Meeting

Thursday, 28 October 2021

Run 4 and Beyond: Session I (11:10 - 12:00)

-Conveners: Daniel Broemmelsiek

time	[id] title	presenter
11:10	[16] Status of the IOTA Proton Injector	BROEMMELSIEK, Daniel EDSTROM, Dean
11:30	[17] Preparing for Proton Operations in IOTA	ROMANOV, Aleksandr VALISHEV, Alexander

Run 4 and Beyond: Session II (13:00 - 14:30)

-Conveners: Alexander Valishev

time	[id] title	presenter
13:00	[18] Nonlinear Integrable Optics in Run 4 with Electrons	VALISHEV, Alexander
13:30	[19] Instability Thresholds with Octupole Channel in Run 4	EDDY, Nathan
13:55	[20] Studies of Proton Beam Instabilities with a Wake-Building Feedback System	AINSWORTH, Robert
14:25	[21] Discussion	

Run 4 and Beyond: Session III (15:00 - 16:00)

-Conveners: Sergei Nagaitsev

time	[id] title	presenter
15:00	[22] Two-Photon Interferometry of Undulator Radiation in Run 4	NAGAITSEV, Sergei
15:20	[23] TESSA Experiment Proposal for the FAST Linac	MUSUMECI, Pietro
15:50	[24] Discussion	

Friday, 29 October 2021

Run 4 and Beyond: Session IV (10:00 - 12:00)

-Conveners: **Giulio Stancari**

time	[id] title	presenter
10:00	[25] Research with the IOTA Electron Lens: Overview	STANCARI, Giulio
10:20	[26] Nonlinear Integrable Optics with the McMillan Electron Lens	CATHEY, Brandon
10:45	[27] Research on Electron Cooling in IOTA	BANERJEE, Nilanjan
11:10	[28] Tune Spread Generation and Beam Stability with a Landau Electron Lens	BUROV, Alexey
11:35	[29] Studies of Space-Charge Compensation	STERN, Eric

Run 4 and Beyond: Session V (13:00 - 14:30)

-Conveners: **Daniel Broemmelsiek**

time	[id] title	presenter
13:00	[30] Halo Growth of Proton Beams in Nonlinear Lattices	MITCHELL, Chad
13:30	[31] Beam Dynamics with Space Charge in IOTA	LI, Runze
13:55	[32] Studies of Noise in Intense Electron Bunches in the FAST Linac	NAGAITSEV, Sergei
14:20	[33] Discussion	