

2021 IOTA/FAST Collaboration Meeting

Thursday, October 28, 2021

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

-Conveners: Daniel Broemmelsiek

time	[id] title	presenter
11:10 AM	[18] Status of the IOTA Proton Injector	BROEMMELSIEK, Daniel EDSTROM, Dean
11:30 AM	[17] Preparing for Proton Operations in IOTA	ROMANOV, Aleksandr VALISHEV, Alexander

Run 4 and Beyond: Session II (1:00 PM - 2:30 PM)

-Conveners: Alexander Valishev

time	[id] title	presenter
1:00 PM	[18] Nonlinear Integrable Optics in Run 4 with Electrons	VALISHEV, Alexander
1:30 PM	[19] Instability Thresholds with Octupole Channel in Run 4	EDDY, Nathan
1:55 PM	[20] Studies of Proton Beam Instabilities with a Wake-Building Feedback System	AINSWORTH, Robert
2:25 PM	[21] Discussion	

Run 4 and Beyond: Session III (3:00 PM - 4:00 PM)

-Conveners: Sergei Nagaitsev

time	[id] title	presenter
3:00 PM	[22] Two-Photon Interferometry of Undulator Radiation in Run 4	NAGAITSEV, Sergei
3:20 PM	[23] TESSA Experiment Proposal for the FAST Linac	MUSUMECI, Pietro
3:50 PM	[24] Discussion	

Friday, October 29, 2021

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

-Conveners: **Giulio Stancari**

time	[id] title	presenter
10:00	A10 Research with the IOTA Electron Lens: Overview	STANCARI, Giulio
10:20	A11 Nonlinear Integrable Optics with the McMillan Electron Lens	CATHEY, Brandon
10:45	A12 Research on Electron Cooling in IOTA	BANERJEE, Nilanjan
11:10	A13 Tune Spread Generation and Beam Stability with a Landau Electron Lens	BUROV, Alexey
11:35	A14 Studies of Space-Charge Compensation	STERN, Eric

Run 4 and Beyond: Session V (1:00 PM - 2:30 PM)

-Conveners: **Daniel Broemmelsiek**

time	[id] title	presenter
1:00 P	M0 Halo Growth of Proton Beams in Nonlinear Lattices	MITCHELL, Chad
1:30 P	M1 Beam Dynamics with Space Charge in IOTA	LI, Runze
1:55 P	M2 Studies of Noise in Intense Electron Bunches in the FAST Linac	NAGAITSEV, Sergei
2:20 P	M3 Discussion	