

Physics and Applications of High Brightness Beams

Thursday 22 June 2023

Beam dynamics and controls (15:00-16:30)

time	[id] title	presenter
15:00	[60] Energy spread increase by intrabeam scattering and microbunching in FEL injectors	PRAT, Eduard
15:25	[83] Photoinjector transverse phase space linearization with sacrificial charge	MAXSON, Jared
15:45	[15] Update on Electron Beam Manipulation at the Argonne Wakefield Accelerator Facility	KIM, Seongyeol
16:05	[14] C-band vs S-band: Minimizing Emittance in a High Charge TopGun Photoinjector	ANISIMOV, Petr

Beam dynamics and controls (17:00-18:30)

time	[id] title	presenter
17:00	[13] Predicting the transverse emittance of space charge dominated beams using the phase advance scan technique and a neural network	Dr MAYET, Frank
17:25	[82] Virtual Diagnostics for High Brightness Accelerators	EDELEN, Auralee
17:50	[42] Physics-Informed Priors for Sample Efficient Models of Beam Transport with Intense Space Charge	PIERCE, Christopher