

6th European Advanced Accelerator Concepts workshop

Tuesday, 19 September 2023

WG7: Beam diagnostics, instrumentation, Machine Learning - Aula Elena (16:20 - 19:00)

-Conveners: Andreas Döpp; Rasmus Ischebeck

time	[id] title	presenter
16:20	[406] Session 1A: Single-shot diagnostics	DÖPP, Andreas ISCHEBECK, Rasmus
16:25	[176] GA-assisted Single-shot 3D-charge-density reconstruction of a laser wakefield kilo-ampere electron bunch via a TR-EO detector	Dr HUANG, Kai
16:45	[324] Diagnosing longitudinal electron bunch profiles by single-shot CTR spectrometry -- a window to LWFA injection dynamics	DEBUS, Alexander
17:05	[347] Single-Shot Ionization-Based Monitor for Pulsed Electron Beams	MUSUMECI, Pietro
17:25	[407] Session 1B: Bayesian optimization	DÖPP, Andreas ISCHEBECK, Rasmus
17:40	[304] Multi-objective and multi-fidelity Bayesian optimization of laser-plasma acceleration	IRSHAD, Faran
18:05	[222] Tuning curves for a laser-plasma accelerator	JALAS, Sören

Thursday, 21 September 2023

WG7: Beam diagnostics, instrumentation, Machine Learning - Aula Bonaparte 2 (16:20 - 19:00)

-Conveners: Rasmus Ischebeck; Andreas Döpp

time	[id] title	presenter
16:20	[408] Session 2A: Multi-shot diagnostics	DÖPP, Andreas ISCHEBECK, Rasmus
16:25	[224] All-optical emittance measurement of LWFA electron beams	SÄVERT, Alexander
16:45	[220] In Situ Measurement of Electron Energy Evolution in a Laser-Plasma Accelerator	Dr BOHLEN, Simon
17:05	[409] Session 2B: Surrogate Models and Data Management, including discussion	
17:20	[188] Machine Learning-based Data Analysis and Surrogate Modeling For COXINEL Experiment	WILLMANN, Anna
17:45	[326] HELPMI: HELmholtz Laser-Plasma Metadata Initiative	SCHLENVOIGT, Hans-Peter
18:10	[410] Concluding Working Group Discussion	