24th ATF Users' Meeting

Tuesday, 18 January 2022

Status Reports (13:30 - 15:30)

time	[id] title	presenter
13:30	[6] AE101 - Optical Materials for Ultrahigh-Power Long-Wave Infrared Lasers	POLYANSKIY, Mikhail
13:50	[7] Facility Report: AE101 Implications for non linear pulse compression	POGORELSKY, Igor
14:10	[8] AE108 - Development of Wave length Conversion Techniques for Generation of Coherent Radiation at the Mid- to Long-wave Infrared / AE88 - Electron Beam Formation via Ionization Injection for Next Generation Accelerator R&D	KUPFER, Rotem
14:40	Break	
14:50	[9] AE87 - Hard X-ray ICS	SAKAI, Yusuke
15:10	[11] UE110 - Baseline materials for characterizing the MUED configuration, their role verifying daily alignment and in operation and implementation of a non-destructive real-time machine learning diagnostic for ensuring beam stability	FAZIO, Mariana

Thursday, 20 January 2022

Status Reports (11:00 - 12:45)

time	[id] title	presenter
11:00	[16] Introduction	
11:10	[12] AE102 - Collinear wakefield accelerator based on corrugated waveguide	Dr ZHOLENTS, Alexander
11:30	[13] AE85 - Multi atmospheric CO2 Amplifier Optically Pumped by a 4.3 micron FeZnSe Laser	TOCHITSKY, Sergei
11:50	[14] AE98 - Probing electron Weibel instability in optical field-ionized plasmas using ultrashort electron bunches	ZHANG, Chaojie
12:10	[15] AE99 - Directional X-ray radiation produced by an ultra-short period plasma magneto-static undulator	JOSHI, Chan

Friday, 21 January 2022

Status Reports (11:00 - 12:40)

time	[id] title	presenter
11:00	[23] Introduction	
11:05	[24] AE93 - Direct Measurement of Fields and Radiation in the Self-Modulated Plasma Wakefield Regime	PETRUSHINA, Irina
11:25	[25] AE95 - Optical Diagnosis of Self-Modulated CO2-laser Driven Plasm a Wakes	ZGADZAJ, Rafal
11:45	[34] AE89 - Plasma Compression for Terawatt Long Wavelength Lasers	
12:00	[26] UE104 - Structure phase transition on Weyl semimetal MoTe2	LI, Junjie
12:20	[17] UE117 – Advanced Control of the ATF MUED Electron Beam Using Automation, Artificial Intelligence, and High-Performance Computing	Dr SOSA GUITRON, Salvador