

ExHILP 2021

Tuesday 14 September 2021

REMO Poster Session (11:00-12:30)

time	[id] title	presenter
11:00	[42] Electron-positron pair production by an ultra-intense laser pulse focused by relativistic flying mirror	JEONG, Tae Moon
11:05	[45] Optical Signatures of Quantum Vacuum Nonlinearities in the Strong Field Regime	KLAR, Leonhard
11:10	[35] Effects of electron beam geometry on pair production in laser-electron scattering	AMARO, Óscar
11:20	[41] Demonstrating monoenergetic electrons using using dual-stage gas cell	HARSH, Harsh
11:25	[43] Reaching high laser intensity by a radiating electron	JIRKA, Martin
11:30	[46] Dynamically assisted tunneling via high-intensity fields	KOHLFÜRST, Christian
11:35	[47] Relativistic modified Bessel-Gaussian beam generated from plasma-based beam braiding	LEI, Bifeng
11:40	[39] LCFA for radiation in a time-dependent electric field: applicability and corrections	GELFER, Evgeny
11:45	[40] Enhanced Gamma-Photon Generation Through Laser-Solid Interaction in the Relativistic λ_3 Regime	HADJISOLOMOU, Prokopis
11:50	[44] Measurement of pulse front tilt by a wavelength-resolved wavefront sensor	KIM, Yeong Gyu
11:55	[49] Applications of Bayesian Inference in Radiation Reaction Experiments	LOS, Eva
12:00	[50] High-brilliance ultra-narrow-band x-rays via electron radiation in colliding laser pulses	LYU, Qingzheng
12:05	[51] Self-consistent simulations of positron creation and acceleration in a plasma channel	MARTINEZ, Bertrand
12:10	[53] X-ray vacuum diffraction at finite spatio-temporal offset	OUDE WEERNINK, Ricardo
12:15	[52] Multiloop calculations in QED in a strong constant crossed field	MIRONOV, Arseny
12:20	[54] Simulation study of spatial-temporal properties of a relativistic electron beam at the collision-point with a high-intensity laser pulse : Relevant to nonlinear Compton Scattering experiment at CoReLS	PATHAK, Vishwa Bandhu
12:25	[56] Quantum vacuum processes in the extremely intense fields of relativistic plasma mirror sources	SAINTE-MARIE, Antonin
12:25	[58] Sauter-Schwinger effect for colliding laser pulses	SCHUETZOLD, Ralf
12:25	[61] Generation of quasimonoenergetic positron beams in chirped laser fields	TANG, Suo
12:25	[60] Physical origin of different dynamical stages of the quasiparticle distribution function during pair production by ultrashort laser pulses	SINGH, Manoranjan
12:25	[62] Numerical Simulations of Ponderomotive Scattering as a Means of High Intensity Measurement	TETER, Thomas

12:25	[57] Mathematical determination of temperature on a cuboid crystal in photoacoustic interaction	SARODE, Abhijit P.
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Wednesday 15 September 2021

REMO Poster Session (16:00-17:30)

time	[id] title	presenter
16:00	[63] Strong interplay between superluminescence and radiation friction during direct laser acceleration of electrons within a magnetic filament	YEH, I-Lin
16:05	[36] Worldline fermion propagator dressed with N photons	BANDA, Victor
16:10	[55] Relativistically Transparent Magnetic Filaments: a path to megaTesla fields for SF-QED experiments	RINDERKNECHT, Hans
16:15	[59] Are there phase transitions in strong-field regimes?	SHI, Yuan
16:20	[48] The QED four-photon amplitudes off-shell	LOPEZ LOPEZ, Misha Arturo