Session Program

Sep 13 – 17, 2021

ExHILP 2021

REMO Poster Session

Tue, September 14

11:00 AM

REMO Poster Session

Session

11:00 – 11:05 AM

Electron-positron pair production by an ultra-intense laser pulse focused by relativistic flying mirror

Speaker
Tae Moon Jeong

11:05 – 11:10 AM

Optical Signatures of Quantum Vacuum Nonlinearities in the Strong Field Regime

Speaker
Leonhard Klar

11:10 – 11:15 AM

Effects of electron beam geometry on pair production in laser-electron scattering

Speaker
Óscar Amaro

11:20 – 11:25 AM

Demonstrating monoenergetic electrons using using dual-stage gas cell

Speaker
Harsh Harsh

11:25 – 11:30 AM **Reaching high laser intensity by a radiating electron**

Speaker
Martin Jirka

11:30 – 11:35 AM **Dynamically assisted tunneling via high-intensity fields**

Speaker
Christian Kohlfürst

11:35 – 11:40 AM

Relativistic modified Bessel-Gaussian beam generated from plasma-based beam braiding

Speaker
Bifeng Lei

11:40 – 11:45 AM

LCFA for radiation in a time-dependent electric field: applicability and corrections

Speaker
Evgeny Gelfer

11:45 – 11:50 AM

Enhaced Gamma-Photon Generation Through Laser-Solid Interaction in the Relativistic λ3 Regime

Speaker
Prokopis Hadjisolomou

11:50 – 11:55 AM

Measurement of pulse front tilt by a wavelength-resolved wavefront sensor

Speaker
Yeong Gyu Kim

11:55 AM – 12:00 PM

Applications of Bayesian Inference in Radiation Reaction Experiments

Speaker
Eva Los

12:00 – 12:05 PM

High-brilliance ultra-narrow-band x-rays via electron radiation in colliding laser pulses

Speaker
Qingzheng Lyu

12:05 – 12:10 PM

Self-consistent simulations of positron creation and acceleration in a plasma channel

Speaker
Bertrand Martinez

12:10 – 12:15 PM

X-ray vacuum diffraction at finite spatio-temporal offset

Speaker
Ricardo Oude Weernink

12:15 – 12:20 PM

Multiloop calculations in QED in a strong constant crossed field

Speaker
Arseny Mironov

12:20 – 12:25 PM

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

Speaker
Vishwa Bandhu Pathak

12:25 – 12:30 PM

Sauter-Schwinger effect for colliding laser pulses

Speaker
Ralf Schuetzhold

12:25 – 12:30 PM

Quantum vacuum processes in the extremely intense fields of relativistic plasma mirror sources

Speaker
Antonin Sainte-Marie

12:25 – 12:30 PM

Mathematical determination of temperature on a cuboid crystal in photoacoustic interaction

Speaker
Abhijit P. Sarode

12:25 – 12:30 PM

Physical origin of different dynamical stages of the quasiparticle distribution function during pair production by ultrashort laser pulses

Speaker
Manoranjan Singh

12:25 – 12:30 PM

Generation of quasimonoenergetic positron beams in chirped laser fields

Speaker
Suo Tang

12:25 – 12:30 PM

Numerical Simulations of Ponderomotive Scattering as a Means of High Intensity Measurement

Speaker
Thomas Teter

12:30 PM

Wed, September 15

4:00 PM

REMO Poster Session

Session

4:00 – 4:05 PM

Strong interplay between superluminosity and radiation friction during direct laser acceleration of electrons within a magnetic filament

Speaker
I-Lin Yeh

4:05 – 4:10 PM

Worldline fermion propagator dressed with N photons

Speaker
Victor Banda

4:10 – 4:15 PM

Relativistically Transparent Magnetic Filaments: a path to megaTesla fields for SF-QED experiments

Speaker
Hans Rinderknecht

4:15 – 4:20 PM

Are there phase transitions in strong-field regimes?

Speaker
Yuan Shi

4:20 – 4:25 PM

The QED four-photon amplitudes off-shell

Speaker
Misha Arturo Lopez Lopez

5:30 PM