

**Day 1 July 10 (Mon)**

9:00	10:00	<b>Reception [Lobby]</b> Conference Desk
10:00	10:30	<b>OPENING WELCOME:</b> M. Kando, Fujihara Foundation (Shinichi Sato), Makoto Kobayashi
10:30	11:00	<b>Group Photo (Entrance)</b>
		<b>Session 1</b> Chair: <b>K. Homma</b> [Event Hall]
11:00	11:30	<b>10-1</b> (Invited) <b>Felix Karbstein</b> , Helmholtz Institute Jena <i>Direct accessibility of the fundamental constants governing light-by-light scattering</i>
11:30	12:00	<b>10-2</b> (Invited) <b>Toshio Namba</b> , ICEPP, the University of Tokyo <i>Search for the vacuum diffraction using an x-ray free electron laser and a high-power laser</i>
12:00	12:20	<b>10-3</b> <b>Keita Seto</b> , Japan Atomic Energy Agency <i>Monte Carlo method for nonlinear Compton scattering in high-intensity laser pulse</i>
12:20	13:20	<b>Lunch</b> (provided) [Event Hall]
		<b>Session 2</b> Chair: <b>K. Homma</b> [Event Hall]
13:20	13:50	<b>10-4</b> (Invited) <b>Stefan Ataman</b> , ELI-NP <i>Detection schemes for vacuum birefringence with a case study for PW-class lasers and optical probes</i>
13:50	14:20	<b>10-5</b> (Invited) <b>Ben King</b> , University of Plymouth <i>Photon scattering in strong fields</i>
14:20	14:50	<b>10-6</b> (Invited) <b>Wei-Min Wang</b> , Renmin University of China <i>Dense polarized positrons and electrons generation from laser-solid interactions investigated via polarized QED-PIC simulations</i>
14:50	15:30	<b>Coffee break</b>
		<b>Session 3</b> Chair <b>S. S. Bulanov</b> [Event Hall]
15:30	16:00	<b>10-7</b> (Invited) <b>Daniel Seipt</b> , Helmholtz Institute Jena <i>Kinetic theory for spin-polarized relativistic plasmas</i>
16:00	16:20	<b>10-8</b> <b>Martin Jirka</b> , ELI-Beamlines <i>Reaching high laser intensity and photon emission in a laser-particle collision</i>
16:20	16:40	<b>10-9</b> <b>Tsuneto Kanai</b> , Kyoto University <i>Development of a 4-micron KTA Optical Parametric Amplifier for studies of particle physics in the time domain</i>
16:40	17:10	<b>10-10</b> (Invited) <b>Tom Blackburn</b> , University of Gothenburg <i>Strong-field QED in the transition regime</i>
17:10	17:30	<b>10-11</b> <b>Petr Valenta</b> , ELI Beamlines <i>On the laser-driven relativistic flying parabolic plasma mirrors</i>
18:00	20:30	<b>Poster session and buffet</b> (provided) [Lobby]

**Day 2 July 11 (Tue)**

		Session 4 Chair: <b>J. Koga</b> [Event Hall]
9:00	9:30	<b>11-1</b> (Invited) <b>Stepan S. Bulanov</b> , Lawrence Berkeley National Laboratory <i>Strong Field QED studies at PW-class laser and advanced accelerator linear collider facilities</i>
9:30	10:00	<b>11-2</b> (Invited) <b>Alexey V. Arefiev</b> , UC San Diego <i>Acceleration of positrons generated via photon-photon collisions in dense laser-irradiated plasmas</i>
10:00	10:20	<b>11-3</b> <b>Kaoru Sugimoto</b> , ILE, Osaka University <i>Positron generation and acceleration in a self-organized photon collider driven by relativistic laser-plasma interaction</i>
10:20	11:00	<b>Coffee break</b>
		Session 5 Chair: <b>J. Koga</b> [Event Hall]
11:00	11:30	<b>11-4</b> (Invited) <b>Antonino Di Piazza</b> , University of Rochester <i>Flying focus beams as a tool to investigate strong-field physics</i>
11:30	12:00	<b>11-5</b> (Invited) <b>Sergei V. Bulanov</b> , ELI-Beamlines <i>On the electromagnetic wave interaction with subluminal, luminal, and superluminal mirrors</i>
12:00	12:30	<b>11-6</b> (Invited) <b>Matthias Marklund</b> , University of Gothenburg <i>Towards critical and supercritical electromagnetic fields</i>
12:30	13:00	<b>11-7</b> (Invited) <b>Hidetoshi Taya</b> , RIKEN <i>Strong-field physics in heavy-ion collisions</i>
13:00	14:00	<b>Lunch (provided)/ WPI Vortex Meeting I</b>
		Session 6 Chair: <b>M. Kando</b> [Event Hall]
14:00	14:20	<b>11-8</b> <b>Masakatsu Murakami</b> , ILE, Osaka University <i>Microcavity implosions for the generation of extreme electric fields and ultrahigh magnetic fields</i>
14:20	14:40	<b>11-9</b> <b>Kentaro Sakai</b> , Osaka University <i>Plasma structure and magnetic field measurements with scattered intense laser beam</i>
14:40	15:00	<b>11-10</b> <b>Gabriele Grittani</b> , ELI-Beamlines <i>ELI-ELBA laser electron collider: commissioning results and opportunities for users</i>
15:00	15:40	<b>Coffee break</b>
		Session 7 Chair: <b>S. V. Bulanov</b> [Event Hall]
15:40	16:10	<b>11-11</b> (Invited) <b>Petr Ghenuchi</b> , ELI-NP <i>Commissioning experiments at ELI-NP</i>
16:10	16:30	<b>11-12</b> <b>Yanjun Gu</b> , Osaka University <i>Positron beam generation and acceleration via magnetic reconnection</i>
16:30	16:50	<b>11-13</b> (Invited) <b>Alec G. R. Thomas</b> , University of Michigan <i>Modeling of strong field QED experiments</i>
16:50	17:10	<b>11-14</b> <b>Takehito Hayakawa</b> , KPSI, QST <i>Mystery of a nuclear cosmochronometer <math>^{176}\text{Lu}</math> and the early solar system formation</i>
18:00	20:00	<b>Banquet (provided)</b> [Room Altair, 1F, Grand Nikko Awaji]

**Day 3 July 12 (Wed)**

Session 8 Chair: <b>A. Arefiev</b> [Event Hall]		
9:00	9:20	<b>12-1 Yasuhiro Kuramitsu</b> , Osaka University <i>Exploring energy frontier in laser-driven ion acceleration with large- area suspended graphene with the aid of machine learning</i>
9:20	9:50	<b>12-2 (Invited) Marija Vranic</b> , Instituto Superior Tecnico, University of Lisbon <i>Direct laser acceleration of leptons: challenges and opportunities</i>
9:50	10:20	<b>12-3 (Invited) Joel Magnusson</b> , University of Gothenburg <i>Effect of electron-beam energy chirp on signatures of radiation reaction in laser-based experiments</i>
10:20	11:00	<b>Coffee break</b>
Session 9 Chair: <b>A. Arefiev</b> [Event Hall]		
11:00	11:20	<b>12-4 Tomoyuki Maruyama</b> , Nihon University <i>Photon Vortex Production from Synchrotron Radiation in Relativistic Quantum Approach</i>
11:20	11:40	<b>12-5 Alexander Pirozhkov</b> , KPSI, QST <i>Bright gamma ray generation with the J-KAREN-P laser</i>
11:40	12:10	<b>12-6 (Invited) Matteo Tamburini</b> , Max Planck Institute for Nuclear Physics <i>Interparticle Fields Amplified Radiation Reaction</i>
12:10	12:30	Short break
12:30	17:00	<b>Social Event: “Uzushio Cruise” / Lunch</b> (provided) Observe the biggest whirlpools (or vortex) in the world
<b>Special Session</b> Chair: <b>M. Kando</b> [Event Hall]		
17:00	17:50	<b>12-7 (Special lecture) Teruaki Enoto</b> , Kyoto University <i>High-energy atmospheric physics of lightning and thunderstorms</i>
17:50	18:30	Free Discussion
Dinner ( <b>not provided</b> )		

**Day 4 July 13 (Thu)**

<b>Session 10</b> Chair: <b>A. Di Piazza</b> [Event Hall]		
9:00	9:30	<b>13-1</b> (Invited) <b>Kensuke Homma</b> , Hiroshima University <i>Probing cosmological dark components with multi-wavelengths high-intensity coherent photons</i>
9:30	9:50	<b>13-2</b> <b>James K. Koga</b> , KPSI, QST <i>Higher Order Delbrück Scattering in the Search for New Particles</i>
9:50	10:20	<b>13-3</b> (Invited) <b>Calin Ioan Hojbota</b> , Center for Relativistic Laser Science (CoReLS) <i>Insights from nonlinear Compton scattering experiments performed with a 4 PW laser</i>
10:20	10:40	<b>13-4</b> <b>Takumi Hasada</b> , Hiroshima University <i>Search for axion-like particles near 1.5 eV mass by a three-beam stimulated resonant photon collider with short pulse lasers</i>
10:40	11:00	<b>13-5</b> <b>Shuta J. Tanaka</b> , Aoyama Gakuin University <i>Proof-of-principle experiment of induced Compton scattering: a laser-plasma interaction around extreme astrophysical objects</i>
11:00	11:30	CLOSING James Koga Lunch (not provided)
12:30	13:30	WPI "Vortex" meeting II (participation is optional) [Event Hall]