

OPTO2023 Poster Program

6月13日 (13th June) 15:15-17:15

ポスター 番号 Poster Number	ベストポスター 賞対象 Best Poster award applicant	発表者氏名 Presenter	代理発表者 Substitute Presenter	研究課題名 Research Title
13-01		Akira Sasaki		Statistical simulation of optical material and its application
13-02		Shinsuke Fujioka		Tailoring of Relativistic Laser-Plasma Interactions in Multi-Pico-Second Time Scale
13-03		Francisco Cobos Campos	Takayoshi Sano	Dependence of Richtmyer-Meshkov Instability growth on gas compressibility
13-04	*	Naoki HIGASHI		Generation of superponderomotive electrons using multipicosecond relativistic-intensity laser
13-05		Ryo Yamazaki	Shuta Tanaka	Experiments of collisionless shocks propagating into magnetized plasma
13-06		KOENIG	Yoichi Sakawa	Radiative shocks as star progenitors
13-08		Alessio Morace		Demonstration of ultra-high intensity LFEX with Hyperbolic Plasma Mirror for generation of Relativistic Electromagnetic Shock and near-relativistic ion beams.
13-09		Shuta Tanaka		Structure of magnetized bow shock and magnetic reconnection in astrospheres
13-10	*	Nima Bolouki	Kiyochika Kuramoto	Experimental investigation on the magnetic reconnections driven by electron dynamics.
13-11		Shuta Tanaka		Preparation to laser experiments of induced Compton Scattering
13-12	*	Taichi Takezaki		Development of pulsed magnet for magnetized collisionless shock experiment using high power laser
13-13		Shota Kisaka	Shuta Tanaka	Theoretical study for experimental verification of coherent radiation and stimulated emission conditions for fast radio bursts
13-14		ONO SHINGO	Yuma Takeda	Development of broadband antireflection structure in THz region
13-15		Makoto Asakawa	Makoto Nakajima	Smith-Purcell radiation emitted from a femtosecond electron bunch.
13-16		Masahiko Tani	Makoto Nakajima	Study on high-efficiency terahertz wave generation by metallic spintronic devices
13-17		Mihoko Maruyama	Makoto Nakajima	Terahertz spectroscopy identification and imaging of biomineral crystal polymorphs
13-18		Sang-Seok Lee	Makoto Nakajima	Application of Japanese Traditional Pattern (Seigaiha Pattern) to THz-SRR Pattern
13-19		Koichi Kan	Makoto Nakajima	Ultrafast detection of terahertz electric field induced by quantum beam
13-20	*	Hideaki HABARA	Yoshinori Ueyama	Modeling of magnetic field creation via resistivity gradient in the high density plasma
13-21		Hiroyuki Furukawa		Development of integrated simulation code on laser processing using ultra short pulse lasers.
13-22		Minoru Tanabe		Evaluation of laser speckles with red, green, and blue colored laser light sources and its suppression
13-23		Manabu Heya	Keisuke Shigemori	Study on optimization of laser peening conditions
13-24		Shigenobu Hirose	Takayoshi Sano	Radiation MHD simulations of accretion disks
13-25		Yasuhisa Oda		Development of real-time target control system for application of repetitive-pulse high-power laser
13-26		Hiroshi Furuta		THz radiation and absorption properties of CNT films
13-27		Atsushi Sunahara	Tomoyuki Johzaki	Numerical modeling of plasma facing materials
13-28		Chiko Otani		Research and Development of MKIDs detector using superconducting metamaterial
13-29		Hiaraku Ogino		Development of novel excitonic luminescence materials by layered mixed-anion compounds
13-31		Marilou Cadatal RADUBAN	Toshihiko Shimizu	Exploring fast ultraviolet cross-luminescence scintillation from barium fluoride crystal under high pressure
13-32		Yasushi FUJIMOTO		Development on advanced functional optical fiber devices and its application
13-33	*	Hiroshi Yoshikawa	Yusuke Takaoka	Production of Organic Functional Crystals by Using Intensive Lasers
13-34		Yusuke Mori	Masashi Yoshimura	Development of high-quality optical borate crystals
13-35		Yuui Yokota	Kohei Yamanoi	Growth and evaluations of optical properties of novel oxide single crystals with high melting point
13-37		Tomoyuki JOHZAKI		Development of electron beam control scheme using kilo-tesla-class self-generated-resistive magnetic fields
13-38		Yasunobu Arikawa	Akifumi Yogo	Laser driven polarized neutron generation and proof of principle of high magnetic field measurement
13-39	*	Akifumi Iwamoto	Tianyun WEI	Pure proton/deuteron beam acceleration by a cryogenic cooling solid hydrogen target
13-40	*	Akifumi Yogo	Zechen Lan	"Dynamic Neutron Analysis" enabling single-shot measurements of nuclei
13-41	*	Yuki Abe	Ryota Matsuura	Study on laser-driven repetitive particle acceleration using liquid jet targets
13-42		Hitoshi Sakagami		Guiding Effects of Fast Electrons by Extreme Intense Pathfinder Laser
13-43		Tomoyuki JOHZAKI		Effects of kilo-tesla-class magnetic fields on ignition and burn dynamics in fast ignition laser fusion
13-44		Akifumi Iwamoto		レーザー核融合未臨界研究炉の核融合中性子-熱変換特性の評価
13-45	*	Yoshinori Ueyama		Confinement effects of fast electrons by azimuthal magnetic field along hollow structure
13-46		Yoshiteru Yonetani		Exciton quantum dynamics in the molecular logic gates for quantum computing
13-47		Yasuhiro Miyasaka		Optically Synchronized Nd:YAG Pump Laser for Sub-nanosecond OPCPA
13-48	*	Takumi Hashi Timothy		"Molecular dynamics simulation of gapped DNA labeled with fluorescent probes" "蛍光色素分子で標識したギャップ損傷DNAの分子動力学シミュレーション"

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13-49		Hirimitsu Kiriyama		Temporal contrast enhancement at the J-KAREN-P petawatt laser facility/ J-KAREN-Pペタワットレーザーの時間コントラスト向上
13-50	*	Kotaro Masumoto		Molecular dynamics study of fluorescent dye-labeled DNA with apurinic/apyrimidinic sites 蛍光色素分子で標識した脱塩基部位損傷DNAの分子動力学研究
13-51	*	Liu Chang		Characterization of Au 2-4 KeV X-ray spectrum in ion- acceleration experiment with plasma mirror system
13-52	*	Daisuke Shimizu		Exploration of crystallization control methods for organic materials/organic solvent systems using laser trapping. レーザートラッピングを用いた有機材料/有機溶媒系の結晶化制御法の探求
13-53		Tomoyuki Endo		Size distribution of DNA fragmented by a femtosecond laser filament in water
13-55	*	Minh Nhat LY		Conditions of structural transition for collisionless electrostatic shock
13-56		Kaoru Sugimoto		相対論的レーザープラズマ相互作用における陽電子生成・加速機構の自己形成
13-57		Takehito Hayakawa		宇宙核時計Lu-176の半減期計測

OPTO2023 Poster Program

6月14日 (14th June) 13:00-15:00

ポスター 番号 Poster Number	ベストポスター 賞対象 Best Poster award applicant	発表者氏名 Presenter	代理発表者 Substitute Presenter	研究課題名 Research Title
14-01		Tatsunosuke Matsui		Terahertz fast switching utilizing organic semiconductors
14-02		Iwao Kawayama		Development of ultra-fast terahertz wave measurement system and measurement of conductivity with thermodynamic fluctuation
14-03		Fumiyoshi Kuwashima	Makoto Nakajima	simultaneity of laser modes in laser chaos through plasmon antenna
14-04		Kotaro Makino		Terahertz characterization of materials for post 5G/6G technologies
14-05		Ken Morita	Makoto Nakajima	Spin manipulation using high power THz pulse
14-06		Shigeki Nashima		Fabrication of metal hole with sharp transmission spectra in terahertz region
14-07		Arnel A Salvador	Nobuhiko Sarukura	Radiation damage investigations on MBE-grown GaAs/Si epilayers
14-08		Kaori Kobayashi	Nobuhiko Sarukura	Selective Decontamination of Tritium in Radioactive Water Using Terahertz and Ultraviolet Light
14-09		Fumiyoshi Kuwashima	Makoto Nakajima	Low cost and stable CW-THz spectroscopy for volcanic ash
14-10		Masayuki Fujita		Research on development, control, applications of quantum beam sources
14-11		KANABE Tadashi	Jumpei Ogino	Improvement of LFEEX laser system.
14-12		Tomoya Nakamura	Yasunobu Arikawa	Optical image transfer by using a multimode fiber
14-13		Keisuke Shigemori		Revisit of the ablation scaling with high power laser irradiation
14-14		Yuichi Inubushi		Study of transient state of intense-laser-produced plasma using femtosecond X-ray spectroscopy
14-15		Yasuhiko Sentoku	Takayoshi Sano	Study of isochoric heating physics driven by intense laser using XFEL
14-16		Yasuhiko Sentoku	Natsumi Iwata	Developing a photon scattering model in non-thermal high energy density plasmas in PICLS code
14-17		Natsumi Iwata		Theoretical study on particle acceleration in high energy density plasmas created by kJ class ultraintense lasers
14-18		Yoshitaka MORI		Investigation of electromagnetic wave propagation absorption and plasma heating with counter-illuminating intense laser pulse
14-19	*	Youichi Sakawa	Shunsuke Egashira	Particle acceleration via magnetic reconnection using coil target
14-20		Shogo Isayama	Takayoshi Sano	Particle acceleration by counter propagating waves in magnetized plasma
14-21		Akira Mizuta	Kentaro Sakai	Study of laboratory experiments of hydrodynamic instabilities in astrophysical jet propagation by ultra-intense lasers
14-22		Ieyasu Tokumoto	Akifumi Yogo	Development of New Soil Moisture Detection System by Neutrons
14-23		Yuji Fukuda	Yoichi Sakawa	Ion acceleration using collisionless shocks produced in nonequilibrium plasmas
14-24	*	Yutaka Ohira	King Fai Farley LAW	Investigation of plasma instabilities in the collisionless shock foot region
14-25		Chihiro Matsuoka		Nonlinear interaction in multi-layer fluid interfaces with density stratification
14-26		Hiroaki Furuse	Kana Fujioka	Development of transparent ceramics
14-27		Takayoshi Sano		Decay instabilities of whistler waves in solar wind plasmas
14-28		Takahiro Kawamura		First principles calculation of optical and thermal properties of GaN
14-29		Shinji Motokoshi		Additive manufacturing of silica glass structure by laser writing
14-30		Youhei MASADA	Takayoshi Sano	Development of a sub-grid scale model for a stellar convective transport
14-31		Mitsuo KOIZUMI	Lee Jaehong	Development of a system for neutron resonance transmission analysis using a laser driven neutron source
14-32		Yuki Iwasa	Kohei Yamanoi	Luminescence properties of rare-earth doped mixed-anion compounds
14-33		Vallerie Ann Innis Samson	Nobuhiko Sarukura	ZnO Synthesis (via Spray Pyrolysis) and Optical Characterization for Radiation Detection
14-34		Joel T. Asubar		PL spectroscopy of ex-situ regrown AlGaIn layers for enhancement mode GaN-based MIS-HEMTs
14-35		Shunsuke Kurosawa		Development of Transparent Ceramics III
14-36		Nobuhiro Umemura	Masashi Yoshimura	Measurements for refractive indices of optical materials in the vacuum UV
14-37		Norimasa Ozaki		Observation of phase transition kinetics using laser-driven decaying shock compression
14-38		Tomoko Sato	Masaki Nakagawa	Melting behavior of silicate during planetary evolution
14-39		Hantao Ji	Shinsuke Fujioka	Data analysis of low-beta reconnection driven by laser-powered capacitor coils
14-40		Nishiuchi Mamiko	Yasuhiko Sentoku	Investigation of the formation of high intensity laser produced highly charged heavy ion plasmas
14-41		Toshihiro Taguchi		Interaction between ultra-intense laser and plasmas
14-42	*	Mirfayzi, Seyed Reza	Zechen Lan	Laser-driven Cold/Thermal Neutron: Activation and Radiography Applications
14-43	*	Krishnamurthy Manchikanti	Tianyun Wei	Bright laser-driven x-rays and neutron source in liquid micro-cluster target via strong shock waves
14-44		Takeshi Higashiguchi		Regenerative D2O target for high-repetition rate laser-driven quantum beam source
14-45		Masayasu Hata		Ionization physics and its control on ultrahigh intense laser ion acceleration
14-46		Akifumi Iwamoto	Akifumi Yogo	Development of a solid deuterium foil target system for laser neutron generation
14-47		Takehito Hayakawa	Akifumi Yogo	Study of stellar nucleosynthesis using laser-driven neutrons

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14-48		Masaaki Tsubouchi		Beat-frequency-resolved two-dimensional electronic spectroscopy with sub-10-fs visible laser pulses
14-49	*	Takumi Minami		グラフェンとLFEXレーザーを用いたイオン加速 "Laser ion acceleration with LFEX laser and large-area suspended graphene"
14-50		Kotaro Kondo		Laser driven ion acceleration with heated polyimide tape target
14-51		Keigo Kawase		単一THz FELパルスを引き出す光励起半導体反射スイッチ
14-52		Ryouichi Hajima		赤外自由電子レーザーで駆動する高次高調波光源の研究
14-53	*	Haruto Miura		"Design proposal of SiO ₂ coated Si moth eye structures for anti-reflection of THz waves "
14-54		Yuji Takagi		Study of hot-electron generation by non-relativistic lasers
14-55	*	James Edward HERNANDEZ		Optical emission diagnostics of laser-produced plasma generated extreme ultraviolet light induced on hydrogen gas
14-56	*	Chihiro Inoue		Reproducing of J-KAREN-P experiment and future prospects using Particle-in-Cell simulation Particle-in-Cell シミュレーションによるJ-KAREN-P 実験の再現と今後の展望
14-57	*	Tomoyuki Komatsu		Analysis of plasma collectivity and energy transport in laser-produced high energy density plasma
14-58		Kazunori Shibata		Long-time behavior of nonlinear electromagnetic wave in vacuum
14-59		Takahiro Murata	Nobuhiko Sarukura	Improvement on characteristics of Pr ³⁺ -doped glass scintillator for neutron detector
14-60		Hajime YANO	Hideo Nagatomo	Fundamental Development of Microparticle Capture System through Hypervelocity Impact Simulations and Experiments at >10 km/s
14-61		Nobuhisa Ishii		Exploration of nonlinear crystals for an infrared optical parametric chirped-pulse amplifier
14-62	*	Shuichi Matsukiyo	Shogo Isayama	Long time evolution of magnetized plasma shock generated by high power laser