

OPTO2025Poster Program

6月25日(25th June) 12:40-14:40

ポスター番号 Poste Number	ベストポスター賞 対象 Best Poster Award applicant	発表者氏名 Presenter	代理発表者氏名 Substitute Presenter	ポスター題目 Poster Title
P25-01		Natsumi Iwata		Theoretical study on particle acceleration in high energy density plasmas created by kJ class ultraintense lasers
P25-02	*	Koichi Mori	Koki Tsuchida	Space propulsion by EUV ablation and its application to the space debris trajectory tranfer
P25-03		Takeshi Higashiguchi		Study of liquid target for high-repetition rate quantum beam sources
P25-04		Keita Seto		Studies for construction method of distribution functions from quantum fields in nonlinear QED
P25-05		Yasuhiko Shimotsuma		Laser parameter optimization for NV center generation in diamond
P25-07		Shigeki Nashima		Enhanced terahertz radiation from spintronic emitter using an optical resonator
P25-08		Shigeki Nashima		Fabrication of metal hole with sharp transmission spectra in terahertz region
P25-09	*	Hideaki Habara	Yutaka Nakamura	Ni plasma ablation taking into account of radiation transport for collimation of fast electron beam
P25-10	*	重森啓介	Chiharu Nakatsuji	衝撃波点火方式レーザー核融合におけるターゲット設計に関する研究
P25-11	*	山田英明	Shun Horimoto	ダイヤモンドカプセルによる爆縮性能向上に関する研究
P25-12		Javier Honrubia	Masakatsu Murakami	Theoretical study on proton-beam-driven impact ignition
P25-13		Sergei Bulanov	Masakatsu Murakami	Ultrahigh field generation via microbubble implosions
P25-14		Fernando Garcia Rubio	Masakatsu Murakami	Generation of ultrahigh magnetic fields by microbe implosions
P25-15		SuMing Weng	Masakatsu Murakami	Nonlinear interaction between ultra-intense laser and relativistic plasma
P25-16		Bhuvanesh Ramakrishna	Masakatsu Murakami	Theoretical and Experimental Study on Laser-Driven Ion Acceleration
P25-17		Yasuhiko Sentoku		Study of intense laser driven isochoric heating by utilizing XFEL(SACLA)
P25-18		Kaoru Sugimoto	Yasuhiko Sentoku	Theoretical and simulation research for efficient generation of intense laser- driven high-energy photon and positron beams
P25-19		Yuichi Inubushi	Yasuhiko Sentoku	Study of transient state of intense-laser-produced plasma using femtosecond X-ray spectroscopy
P25-20		Masato KOIKE		Recent development of soft X-ray diffraction gratings at KPSI, QST
P25-21		Shuji Miyamoto		Online reading of a gamma-ray spectroscopy system with photostimulable phosphors
P25-22	*	Yuki Abe	Hikaru Kato	Development of short-pulsed point neutron sources based on monodirectional-drive ICF
P25-23		Yuki Abe		Study on laser-driven repetitive ion acceleration using liquid jet targets
P25-24		Takashi Shiroto		Theoretical and numerical investigation on quasi-isentropic compression of solid ball targets
P25-25		Masayuki Fujita	Toshihiro Somekawa	Research on development, control, applications of quantum beam sources
P25-26		Takumi Iida		OHラジカルによるDNAからの水素引き抜き反応の量子化学計算
P25-27		DINH Thanh-Hung		XPWを用いた高コントラストレーザーパルス発生に関する研究
P25-28	*	Mitsuo Nakai	TADPRADIT PARADORN	レーザー液中アブレーション法を用いた土壤中放射性物質の分離技術開発
P25-29	*	Yuta TSUTSUMI		非線形波動解析によるレーザーアブレーション表面加工の機構解明
P25-30	*	Shinya Fujiwara		茶カテキンによるOHラジカル消去機構の分子シミュレーション
P25-31		Sadaoki Kojima		Ultrafast dynamics of critical density surfaces due to relativistic radiation pressure sustained for multi-picoseconds
P25-32		Chihiro Matsuoka		Theoretical study of vortices in compressible flows
P25-33		城崎知至		高速点火レーザー核融合の点火燃焼特性に対するキロテスラ級磁場効果
P25-34		Atsushi Sunahara	Tomoyuki Johzaki	Numerical modeling of plasma facing materials
P25-35		Nobuhisa Ishii		高繰返し数サイクル赤外光源開発とその軟X線高次高調波発生への応用
P25-36	*	Bentley Phillip David		Unravelling the magnetization dynamics of L10-ordered FePt thin films with low damping and large perpendicular magnetic anisotropy
P25-37		Yasunoub Arikawa		Measurement on high intensity magnetic filed by thermal neutron deflectometry
P25-38		Tomoya Nakamura	Yasunobu Arikawa	Development of micro-meter spatial resolution optical imaging by using the multimode fiber imaging
P25-39		Keiichi Maeda	Yasunobu Arikawa	Analysis on nuclear burning plasma behavior by using multiple simulations
P25-40		Toshiki Yamada	Yasunobu Arikawa	Development on EO polymer for ultra-fast radiation imaging detector
P25-41	*	Reon KURIYAMA		カテキンによるOHラジカル消去機構の分子動力学シミュレーション
P25-42	*	Sang-Seok Lee	Shunki FUJIO	日本の伝統模様(菱形)のTHz-SRRパターンへの応用(設計)
P25-43		Shuta Tanaka		Structure of magnetized bow shock and magnetic reconnection in astrospheres
P25-44		Shuta Tanaka		Preparation to laser experiments of induced Compton Scattering
P25-45	*	Yutaka Ohira	King Fai Farley Law	Investigation of plasma instabilities in the collisionless shock foot region
P25-46		Hantao Ji	King Fai Farley Law	Study of Particle Acceleration Mechanisms in Magnetically Driven Reconnection at Low Beta Using Capacitor Coil Targets Powered by Short Pulse Lasers
P25-47		Takehito Hayakawa		The study of stellar nucleosynthesis using laser-driven neutrons
P25-48		Takehito Hayakawa		Study of medical RI production using laser-driven neutrons
P25-49		Toshihiro Taguchi		超高強度レーザーとプラズマの相互作用
P25-50		Hiroshi Sawada	Shinsuke Fujioka	Characterization of LFEX laser-generated fast electrons via modeling angular-dependent bremsstrahlung measurements
P25-51		Hiroshi Sawada	Shinsuke Fujioka	Development of dual x-ray and proton radiography for a direct drive fast ignition cone-sphere target
P25-52		Yuichi Inubushi	Shinsuke Fujioka	Study on interaction between matters and high-intensity X-ray lasers
P25-53	*	Hayato Kusano		Nuclear Reactions in Laser-Driven Ion Acceleration with Nanometer-thick Graphene Target and LFEX Petawatt Laser
P25-54		Masayasu Hata		Ionization physics and its control on ultrahigh intense laser ion acceleration
P25-55		Shuta Gohara		液柱ターゲットを用いたレーザー駆動イオン加速の現状と課題
P25-56	*	Ichigotani Yuya		固体飛跡検出器CR-39を用いたレーザー加速アルゴンイオンのピンホールイメージングによるプラズマミラーの有効性検証
P25-57		Shuichi Matsukiyo	Shogo Isayama	軽ガスプラズマを用いた宇宙プラズマ衝撃波実験
P25-58		Hiroshi Murakami		テラヘルツ振動凝縮
P25-59	*	Honoka Ueki		励起子ポラリトン形成に向けた単層MoSe2の超高速ダイナミクス観測
P25-60		Kotaro Makino		Development of terahertz material characterization toward 6G telecommunication technology
P25-61		Ryoichi Hajima		共振器型赤外自由電子レーザーにおける高調波の干渉
P25-62		Youichi Sakawa		Time evolution measurement of magnetic reconnection current using coil target
P25-63		Yusuke Mori		ホウ酸系光学結晶の高品質化
P25-64		Akira Sasaki		レート方程式と統計モデルの光学損傷及び物性研究への応用
P25-65	*	Masao Yoshino		Crystal growth of garnet-type (Gd, Y, Lu)3(Ga, Al)5O12:Ce, Tb single-crystal scintillators and evaluation of their luminescence properties
P25-66		Yuji Fukuda		Ion acceleration using collisionless shocks produced in nonequilibrium plasmas

OPTO2025 Poster Program

6月26日 (26th June) 9:30-11:30

ポスター番号 Poste Number	ベストポスター賞 対象 Best Poster Award applicant	発表者氏名 Presenter	代理発表者氏名 Substitute Presenter	ポスター題目 Poster Title
P26-01		Akira Mizuta		Study of laboratory experiments of hydrodynaimc instabilities in astrophysical jet propagation by ultra-intense lasers
P26-02		Nozomi Tanaka		Characteristics of negative ions reflected from low-work-function material surface by grazing incidence positive ion beam injection
P26-03		HERNANDEZ JAMES EDWARD II AQUINO	Nozomi TANAKA	Fabrication of laser-induced surface modified substrates for surface- enhanced Raman spectroscopy applications
P26-04		Motoi Wada	Nozomi TANAKA	Pulsed laser deposition of tin on silicon substrates using nanosecond laser
P26-05		Tomoko Fujino	Nozomi TANAKA	Study of molecular orbit for laser diagnostics of SnH4 by DFT calculation
P26-06	*	Ryuya Yamada		Thermal neutron imaging using CR-39/6LiF detector for laser-driven neutron sources
P26-07		Yasushi Fujimoto	Kana Fujioka	Development on advanced functional optical fiber devices and its application
P26-08		Tatsuya Shoji		Development of a photoimmobilization method for an assembly of polymer nanobeads formed by plasmonic optical tweezers
P26-09		兒玉了祐	Ryunosuke Takizawa	超高密度プラズマの形成と高速点火方式によるレーザー核融合に関する研究
P26-10		Ryo Yamazaki		磁化プラズマ中を伝播する無衝突衝撃波の生成実験
P26-11	*	Hiroyuki Uchida		Ground-based experiments on charge exchange reactions using a large laser facility to construct an astronomical radiation model
P26-12		Yuui Yokota		Growth and evaluations of optical properties of novel oxide single crystals with high melting point
P26-13	*	Yasuhiro Kuramitsu	Naoya Tamaki	Intense laser driven nuclear reaction in the presence of high energy density plasmas and photons
P26-14		田辺 稔		半導体レーザー光源におけるスペckルの評価と抑制
P26-15		Takahiro Kawamura		First-principles analysis of dielectric properties of widegap semiconductors
P26-16		Hiraku Ogino	Kohei Yamanoi	Development of novel optical materials by layered mixed-anion compounds
P26-17		Masanori HARA	Yamanoi Kohei	Simulation of beta-ray induced X-ray from maters having tritium
P26-18	*	Keisuke Shigemori	Takuya HONDA	Investigation on complex ablation process with high power laser irradiation
P26-19	*	Ryunosuke Takahashi		超高速磁気ダイナミクス観測のためのテーブルトップ型高次高調波X線パルス光源の開発
P26-20		Yasushi Fujimoto		次世代高性能光ファイバデバイスの開発とその応用
P26-21		Noriaki Miyanaga		Nd,La:CaF2 セラミックスの Judd-Ofelt 解析
P26-22		Noriaki MIYANAGA		多段コヒーレントビーム結合における波面歪みの影響の評価
P26-23		Tomoyuki ENDO		位相制御2色レーザーパルスを用いた電子再衝突による分子励起
P26-24		Ken AKAMATSU		水中の近赤外フェムト秒レーザーフィラメントによって生じるDNA損傷の特性
P26-25	*	Shingo Ono	Hiumi Terashima	Development of broadband antireflection structure in THz region
P26-26		Yuki Iwasa		Long-term stability of optics for UV irradiation
P26-27	*	Norifumi Fujii		Laser Ablation-Induced Ice Nucleation Enhanced by Patterned Irradiation
P26-28	*	Shogo Isayama		Particle acceleration in multidimensional Alfven turbulences/ Relativistic multi-stage resonant and trailing-field acceleration induced by large-amplitude Alfvén waves in a strong magnetic field
P26-29		Fuyuan Wu	Wangzi Sun	Optimization of the implosion laser pulse for a solid target via machine learning
P26-30		Keigo Kawase		外部高周波信号へのファイバーレーザーパルス同期システムの評価
P26-31		Yoshiteru YONETANI		量子動力学計算によるエキシトン量子ゲートのフィデリティー評価
P26-32		Akifumi Iwamoto		Development of a solid ball target filled with liquid hydrogen for realization of high-density implosion
P26-33		Akifumi Iwamoto		Development of a solid hydrogen foil target system for laser ion acceleration
P26-34		Mitsuharu UEMOTO		高強度レーザー向け誘電体多層膜ミラーの理論設計
P26-35		Shibata Kazunori		レーザーを用いた小型スペースデブリの性質調査・軌道変更制御について
P26-36		Kazunori Shibata		高耐久鏡を多層膜で実現するためのSiO2の光物性計算
P26-37		Kaori Kobayashi	Kohei Yamanoi	Selective Decontamination of Tritium in Radioactive Water UsingTerahertz and Ultraviolet Light
P26-38		Kaoru Sugimoto		Theoretical and simulation research for efficient generation of intense laser-driven high-energy photon and positron beams
P26-39		Tatsuhiro Sakaiya		天体衝突時における金属/ケイ酸塩分離過程の解明
P26-40		Takayoshi Sano		Interaction between electromagnetic waves and plasmas in strong magnetic fields in laboratory and astrophysical plasmas
P26-41		Francisco Cobos Campos	Takayoshi Sano	Dependence of Richtmyer-Meshkov Instability growth on gas compressibility
P26-42		Youhei Masada	Takayoshi Sano	Development of Sub-grid scale Transport Model for Stellar Thermal Convection
P26-43	*	Taichi Morita	Yuuki Toyoda	Laser astrophysics experiment for the quantitative evaluation of energy conversion and particle acceleration in magnetic reconnection
P26-44	*	Andrea Ciardi	Yuuki Toyoda	Energetic ions and plasma instabilities in magnetised precursors
P26-45		Ryuji Itakura		Orientation-angle-resolved photoelectron angular distribution of OCS in an intense 1-μm laser field
P26-46	*	Hiroshi Sawada	Daisuke TANAKA	Development of an XFEL platform for high-power laser-irradiated nanowire arrays
P26-47		Emi Minamitani		Elucidation of the Structure-Property Relationship in Optical Glass Materials through Machine Learning and Computational Material Science
P26-48		Shinji MOTOKOSHI		レーザー造形法によるシリカガラス構造形成
P26-49		Kentaro Sakai		Experimental observation of kinetic instability excited in two-stream plasmas with collective Thomson scattering
P26-50		Tatsunosuke Matsui		有機半導体材料によるテラヘルツ高速スイッチング
P26-51		Yuka Tsuru		短パルスレーザーを用いた有機低分子化合物の結晶化制御
P26-52		Mamiko Nishiuchi		Investigation of the formation of high intensity laser produced highly charged heavy ion plasmas
P26-53		Takahiro Murata	Nobuhiko SARUKURA	Improvement on characteristics of Pr3+-doped glass scintillator for neutron detector
P26-54		Marilou Cadatal Raduban	Nobuhiko SARUKURA	High pressure effects in wide band gap fluoride crystals
P26-55		Yoshiyuki Kawazoe	Toshihiko SHIMIZU	Prediction of physical properties of SrxCax1-xF2 mixed crystal
P26-56		Hideki Yoshida	Toshihiko SHIMIZU	Development of discolored glazes
P26-57		宮原 暁	SHIMIZU Toshihiko	Reevaluation of Ceramic Product Distribution in East Asia through Imaging Spectroscopy Analysis
P26-58		Akifumi Yogo	Zechen LAN	Single-Shot Neutron Resonance Absorption Analysis
P26-59	*	Ieyasu Tokumoto		Development of New Soil Moisture Detection System by Neutrons
P26-60		Hiroshi Mizuseki		Prediction of crystal structure and group III atomic configuration of (AlxInyGa1-x-y)2O3 mixed crystal
P26-61		Iwao Kawayama		超高速テラヘルツ波計測・イメージングシステムの開発
P26-62		Nobuhiro Umemura		真空紫外領域における光学材料の屈折率測定
P26-63		Shin-ichiro Tanaka		Analysis of the elemental and electronic structure of the steel from folk tools made by the blacksmith
P26-64	*	Shutaro Kurochi		Deep learning approach for reconstructing turbulent electromagnetic fields in laser-driven plasmas
P26-65		Mihoko Maruyama	Hiroto Takahashi	Crystal phase identification and imaging of biominerals by terahertz spectroscopy
P26-66		Tomoko Sato	NAKANISHI Yusuke	Investigation of physical properties of silicate melt by radiation spectra measurements
P26-67		Shigeki Tokita		Development of Faraday Rotor for Next-Generation High-Power Lasers
P26-68		Shunsuke Kurosawa		Development of Transparent Ceramics for Optical Materials with High-Effective-Atomic Numbers and Their Energy Transfers II