

OPTO2026 Poster Program

6月15日(15th June) 15:40-17:30

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
P15-01		Masato KOIKE		Varied-line-spacing non-periodic multilayer laminar-type diffraction grating to improve detection sensitivity in the 1-2 keV range of soft X-ray flat-field grating spectrometer
P15-02		Yusuke Mori	Masashi Yoshimura	ホウ酸系光学結晶の高品質化
P15-03	*	SHIGEMORI Keisuke	Takumi ISOATANI	Realization of fusion ignition with multi-scale shock wave control-Optimization of ultra-high pressure shock wave generation and propagation by controlling laser-plasma interactions
P15-04	*	Hiroshi Sawada	Yoshiki TAKESHIMA	Development of an XFEL platform for high-power laser-irradiated nanowire arrays
P15-05		Gabriele Cristoforetti	Chiharu Nakatsuji	Investigation of Laser-Plasma Instabilities in long plasmas and ICF laser intensities
P15-06		Katarzyna Batani	Chiharu Nakatsuji	Studies of Equation of State of cubic Boron Nitride and Amorphous Carbon in extreme conditions
P15-07	*	Yuki Abe	Hikaru KATO	Development of short-pulsed point neutron sources based on monodirectional-drive ICF
P15-08		Tomoyuki JOHZAKI	Ryunosuke TAKIZAWA	Collimation of laser-accelerated relativistic electron beams by using compound parabolic concentrator
P15-09		Hiroshi Sawada		Characterization of LFEX laser-generated fast electrons via modeling angular-dependent bremsstrahlung measurements
P15-10		Hiroshi Sawada		Development of Dual X-ray and Proton Radiography for Direct Drive Fast Ignition Cone-Sphere Targets
P15-11		Masahiro Tanaka	Akifumi IWAMOTO	レーザー核融合実験によって真空容器内に生成される不純物分析
P15-12		Mayuko Koga		高速点火核融合燃料ターゲットの姿勢制御に関する研究
P15-13		Mayuko Koga		高精度軌道計算による高速点火核融合燃料ターゲット射出条件の検討
P15-14		Chihiro Matsuoka		Vortex solution in relativistic hydrodynamics and its applications
P15-15	*	Mayuko Koga	Hiroki NAKATA	新しい屈折率測定法のための屈折率分散計測
P15-16		Mayuko Koga	Shunya MARUYAMA	インジェクションシステムのためレーザーターゲット推進の研究
P15-17	*	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
P15-18		Takashi Shiroto		中実球の準静的圧縮に関する理論シミュレーション研究
P15-19		Sasaki Akira		Statistical simulation of optical material and its application
P15-20		Yuichi Inubushi	Yasuhiko SENTOKU	高強度レーザー生成内殻電離プラズマの超高速時間発展とその応用
P15-21		Kaoru Sugimoto	Yasuhiko SENTOKU	Theoretical Study for Highly Focused kJ/PW Laser Driven High Energy Photon and Positron Beam Generation
P15-22		NoboruYugami	Yasuhiko SENTOKU	Identification of electromagnetic wave frequency radiated from the transverse electric field and laser-generated relativistic ionization front
P15-23	*	Hiroshi Yoshikawa	Li DONGCHENG	Production of Organic Functional Crystals by Using Intensive Lasers
P15-24		Tomoyuki JOHZAKI		DT混合比不均一性が爆縮・燃焼特性に及ぼす影響
P15-25		Tomoyuki JOHZAKI		高速点火レーザー核融合燃料の点火・燃焼過程における核反応生成粒子輸送効果
P15-26		Ohnishi Kazuki	Tomoaki NAMBU	ホウ酸系光学結晶を用いた新規深紫外面発光レーザーの開発
P15-27	*	Tatsuya NOZAKI		DNA修復過程における欠失生成プロセスの分子動力学シミュレーション
P15-28	*	Frédéric PEREZ	Jinyuan Dun	L-shell opacity measurement for astrophysical applications
P15-29	*	Kotaro MORITA		深紫外集光照射下における吸収係数測定手法
P15-30		Yuui Yokota		新規高融点酸化物単結晶の育成と光学特性評価
P15-31	*	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
P15-32	*	Keiji Komatsu	Yuanhao Zeng	MLD-TDSを用いたテラヘルツガスセンシングの開発
P15-33	*	Koichi Mori	Kosuke FUJII	Space propulsion by EUV ablation and its application to the space debris trajectory transfer
P15-34		Tatsuhiro Sakaiya		Estimation of shock metamorphism using X-ray diffraction
P15-35	*	Ryota Goto		塩類添加CVD法により作製した単層TMDCの光学特性評価
P15-36		Anton Tremsin	Zechen Lan	Optimization and testing of neutron spectroscopic imaging at a laser driven neutron source
P15-37		ZECHEN LAN		KeV resonance spectroscopy of cryogenic samples using laser-driven neutrons
P15-38	*	ONO SHINGO	Ryota WATANABE	テラヘルツ領域における広帯域反射防止構造の開発
P15-39		Yoshiteru YONETANI		ペリレン誘導体ダイマーの相対配置とエキシトンカップリング

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P15-40		Drew Higginson	Natsumi IWATA	Kinetic modeling of alpha particle energy transfer and transport in burning plasmas
P15-41		Mitsuru Honda	Natsumi IWATA	Workshop on Multiscale and Integrated Simulation of Fusion Plasmas
P15-42		Emmanuel d'Humieres	Natsumi IWATA	Theoretical study of efficiency of laser proton acceleration with kJ/PW laser light
P15-43		Shuichi Matsukiyo	Shogo ISAYAMA	Space plasma shock experiment using light gas plasma
P15-44		Shogo Isayama		Investigation of High-Energy Cosmic Ray Generation Mechanisms by Large-Amplitude Magnetohydrodynamic Waves
P15-45	*	Shun KITAMURA		DFTB法を用いたOHラジカルによるデオキシリボースからの水素引き抜き反応の解析
P15-46	*	Mitsuharu Uemoto	Koya SHIMAOKA	誘電体ミラー向け固体材料の第一原理電子ダイナミクスシミュレーション
P15-47		Keigo KAWASE		AgGaS ₂ を用いた和周波発生による中赤外自由電子レーザーとファイバーレーザーとの同期性能評価
P15-48		Keigo KAWASE		関西研ファイバーレーザーシステムを用いた赤外自由電子レーザーのキャリアエンベロープ位相安定化のための中赤外シード光源開発の現状
P15-49		Hajime YANO	Hideo NAGATOMO	Fundamental Development of Microparticle Capture System through Hypervelocity Impact Simulations and Experiments at >10 km/s
P15-50		Toshihiro Taguchi		超高強度レーザーとプラズマの相互作用
P15-51		HIRAKU OGINO	Kohei YAMANOI	Development of novel optical materials by layered mixed-anion compounds
P15-52		Masanori HARA	Kohei YAMANOI	Simulation of beta-ray induced X-ray from materials having tritium
P15-53		Yuji Hatano	Kohei YAMANOI	Development of Tritium Recovery Method by Laser Irradiation
P15-54		Atsushi Sunahara		Numerical modeling of plasma facing materials
P15-55		Keita Seto		Applications of stochastic ray tracing to a gradient-index medium
P15-56		Kazunori Shibata		Conditions on pulse lasers to remove small space debris
P15-57		Mitsuo Nakai	Takuto TANAKA	中性子バブル画像検出器の開発
P15-58		Ryuji Maekawa	Akifumi IWAMOTO	Vibration reduction and refrigeration efficiency improvement of cryocooler for laser fusion cryogenic target cooling
P15-59	*	LIU ZHE		Charge-state-dependent nonlinear imaging plate response in heavy-ion diagnostics
P15-60	*	Daideepkumar Balusu		Generation of giga-electron-volt proton beams by micronozzle acceleration
P15-61		Thanh-Hung DINH		次世代微細加工用高繰り返しEUVレーザーの開発に関する研究
P15-62		Nobuhiro Umemura	Masashi YOSHIMURA	真空紫外領域での光学材料の屈折率測定
P15-63		Masayuki Fujita	Shusuke ISOGAI	量子ビーム源の開発、制御ならびにその応用に関する研究
P15-64	*	Takumi Minami		Energetic carbon ion acceleration using graphene target irradiated with J-KAREN-P
P15-65	*	Ryosuke Furukawa		動的超高压条件におけるナイロンの圧縮特性計測とナノダイヤモンド生成条件に関する検討
P15-66		Maruyama Mihoko	Wangxuan ZHAO	Terahertz Spectroscopic Evaluation of Aggregation Behavior and Organic Incorporation in Urolithiasis-Related Crystals
P15-67	*	Ryusei Tanaka		干渉法によるクライオターゲット及び高密度ガスジェットのガス密度測定
P15-68	*	Yutaka NAKAMURA		Verification of Fast Electron Beam Convergence by Controlling the Density Profile of Imploded Plasmas
P15-69		Kotaro KONDO		Unruh効果の検証に向けた高加速度を有するレーザー航跡場加速
P15-70	*	Katsuya KONDO		背景磁場下で高強度レーザー照射された構造性媒質中での渦状磁場構造形成
P15-71		Tomoko Sato	Kai TAKETOSHI	Investigation of physical properties of silicate melt by radiation spectra measurements
P15-72		Yuki Iwasa	Kohei YAMANOI	紫外放射による光学素子の劣化特性評価 / Long-term stability of optics for UV irradiation
P15-73		Hiroshi Murakami		テラヘルツ振動バンドで起こる非平衡ボース・アインシュタイン凝縮
P15-74		Gyo MIYABARA		イメージング分光分析を用いた東アジアにおける陶磁器製品流通の再評価
P15-75		Shin-ichiro Tanaka		Analysis of the elemental and electronic structure of the steel from folk tools made by the blacksmith: The photoelectron momentum microscopy and AI-assited analysis for the CVD graphene.

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P16-01	*	Yasuhiro Kuramitsu	Hayato KUSANO	Model experiment of cosmic ray spallation with an intense laser
P16-02	*	Yuji TAKAGI		近相対論的レーザープラズマ相互作用でのパラメトリック不安定による電子加速
P16-03		Yuji Mashiba		パワーレーザーDXプラットフォーム事業における深層学習を用いた光学部品異常検知システムの開発
P16-04		Yuki Abe		Study on laser-driven repetitive ion acceleration using liquid jet targets
P16-05		Kaori Kobayashi	Nobuhiko SARUKURA	Selective Decontamination of Tritium in Radioactive Water Using Terahertz and Ultraviolet Light
P16-06		Hiroki Wadati		Searching for laser-induced magnetization reversal using terahertz light
P16-07	*	Hiroshi Sawada	Shruti Gulihar	XFEL(SACLA)を活用したレーザー等積加熱物理の解明
P16-08		Nozomi Tanaka		Work function measurement of material surface for negative hydrogen ion beam production
P16-09		Akira Mizuta		Development of Reconstruction Methods for Electromagnetic Field Structures in Laser-Generated Plasmas
P16-10		Phillip David Bentley		An XMCD study of Fe-doped Mn ₂ RuGa for all-optical switching memory application
P16-11		Yasuhiko SHIMOTSUMA		Defect formation in diamond induced by ultrashort pulse laser
P16-12		Yuichi Inubushi	Shinsuke FUJIOKA	高強度X線レーザーと物質の相互作用に関する研究
P16-13		Shinsuke FUJIOKA		光をためて挑むレーザーフュージョンエネルギー
P16-14		Tatsuya Shoji		Application of Plasmonic Optical Tweezers in Photofixation of Nanobead Assemblies
P16-15		BRUNO ALBERTAZZI	Youichi Sakawa	Structure of High Velocity Radiative Shocks from optically Thin to Thick
P16-16	*	Naoya HAYASHI		高強度レーザーとグラフェンターゲットを用いた核破砕の研究
P16-17	*	Michel KOENIG	Muhammad Fauzan Syahbana	Enhancement of X-ray Thomson Scattering Capability for Probing Astronomical-Relevant and Fusion Plasmas
P16-18	*	Naoya TAMAKI		Quasi-monoenergetic GeV carbon ion acceleration from multi-species nanolayer targets irradiated by the J-KAREN-P laser
P16-19		Ryo Yamazaki		Magnetized collisionless shock生成実験結果のデータ解析と理論的解釈
P16-20		Sadaoki KOJIMA		マルチピコ秒間持続する相対論放射圧による臨界密度面の超高速ダイナミクスの解明
P16-21		Takahiro Kawamura		非線形光学結晶CsLiB ₆ O ₁₀ Iに含まれる点欠陥に関する第一原理計算
P16-22	*	Haruya MATSUMOTO		ディスクホルダーによるレーザー駆動イオンビームのm級長距離輸送
P16-23	*	Taichi Morita	Kurimaru Sora	Verification of Magnetic Reconnection Rate and Fast Energy Conversion Mechanism
P16-24	*	Mokoto Hayakawa		レーザー航跡場によるイオン加速に向けた高密度ガスジェットシステムの開発
P16-25	*	Yasuhisa Oda	Naoya MIYATA	繰り返しレーザー応用実験のためのリアルタイムでのターゲット制御システムの開発
P16-26	*	Ryuya Yamada		レーザー駆動中性子源に向けたD(γ, n)p反応による熱中性子生成の検証
P16-27		Yasunobu Arikawa		Ultra-high intensity focusing of LFEX by a post compressor
P16-28		Toshihiro Nakaoka	Shuhei Matsuyama	Developing High-Rigidity Spectroscopic Filters for Mid- and Far-Infrared Astronomy
P16-29		Masahiko TANI	Hideaki KITAHARA	テラヘルツ時間領域分光法の高性能化のための技術開発研究
P16-30		Mamiko Nishiuchi		超高強度レーザーによる高電離重金属プラズマの形成過程の解明
P16-31	*	Koichi KIUCHI		相対論的透過機構による高効率イオン加速におけるプラズマ開口からのレーザーの回折
P16-32		Shuta Tanaka		誘導コンプトン散乱のレーザー実験に向けての研究
P16-33		FURUYA Takashi		廃プラ高精度分析のためのマルチ分光スペクトル分析技術の開発
P16-34		Shunsuke YAMADA		Ultrafast Spin Injection in Graphene from TMDCs: Real-Time First-Principles Calculations of Graphene-TMDC Heterostructures
P16-35		Michiaki Mori		MCPターゲットによる準単色低発散角陽子線発生
P16-36		Masayasu Hata		Ionization physics and its control on ultrahigh intense laser ion acceleration

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P16-37		Yutaka AKAHANE		BBO結晶を用いた2μm波長帯OPG短パルス光源の開発
P16-38		Jumpei Ogino		Development of Faraday Rotor for Next-Generation High-Power Lasers
P16-39	*	Alexey Arefiev	Hayato Yanagawa	Theoretical study of efficient hole-boring of kJ/PW laser light in inhomogeneous plasmas
P16-40		Ryutaro Matsui		Generation and application of high energy density plasma by interaction between high intensity laser and structured medium
P16-41		Yuka Tsurii		Crystallization control of low molecular weight organic compounds using short pulse laser
P16-42	*	Harunori YOSHIKAWA	Apollo Nikko DELFINO	Control of interface dynamics by laser-induced plasmas
P16-43		Kazunori Serita		Development of Point Terahertz Sources and Applications in Biosensing
P16-44		Ryuji ITAKURA		Time-resolved photoelectron momentum distribution of O2 in intense orthogonally-polarized laser fields
P16-45		Sun Hung-Wei		Toward Time-Resolved Core-Level Spectroscopy Beyond Oxygen K-edge Using an Ultrashort Soft X-ray Light Source
P16-46		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
P16-47	*	Akira Umakoshi		Measurement of Deuterated Isotopologues of Ammonia by Cavity Ring-Down Spectroscopy Using a 1.49 μm DFB Laser aiming at Planetary Exploration
P16-48		Andrea Ciardi	KITA, Daiya	Energetic ions and plasma instabilities in magnetised precursors.
P16-49		Tomoyuki ENDO		OCS分子の解離性イオン化過程における電子再衝突励起過程の観測
P16-50	*	Shintaro Anami		ローカル大規模言語モデルを中核とした次世代加速器設計用AIエンジニアの構築
P16-51		Takehito Hayakawa		The study of nuclear astrophysics and medical applications using laser driven neutrons
P16-52		Fuka NIKAIDO		2D electric and magnetic fields reconstruction in plasmas using machine-learning-based proton track analysis
P16-53		Yasuhiro Miyasaka		アクロマレンズ像転送によるJ-KAREN-レーザーの高エネルギー伝送化
P16-54		Hiroshi Furuta		THz Spectroscopic Investigation of Electrical Properties of CNT forest Films
P16-55		KEN MORITA		Novel Higher-Order Spin States with Focused Higher-Order Photons
P16-56		Hideaki Habara	Masaki NAGAO	スーパーベネトレーション高速点火における爆縮用レーザー波形の最適化に関する研究
P16-57	*	Naoki Okuda		ピコ秒PW級レーザーが駆動する高密度プラズマ界面の急峻化と高速熱波伝播
P16-58		Makoto Nakajima		ピコ秒シート状電子パンチ電子銃開発とテラヘルツ波源への応用
P16-59		Sang-Seok Lee	Makoto Nakajima	Fabrication and Evaluation of Japanese Traditional Pattern (Hishi Pattern) as a THz-SRR Pattern
P16-60		Yuji Fukuda		Quasi-monoenergetic proton acceleration above 100 MeV from micron-scale hydrogen cluster targets driven by the upgraded J-KAREN-P Laser
P16-61	*	Kyohei Kawakami		固体飛跡検出器CR-39におけるアルファ線飛跡終端付近の感度評価
P16-62		Kotaro Makino		Development of terahertz material characterization toward 6G telecommunication technology
P16-63		Takahiro Murata	Nobuhiko SARUKURA	Improvement on characteristics of Pr ³⁺ -doped glass scintillator for neutron detector
P16-64		Yoshiyuki Kawazoe	Nobuhiko SARUKURA	Prediction of physical properties of Sr _x Ca _{1-x} F ₂ mixed crystal
P16-65		Takayoshi SANO		Experimental verification of the formation conditions for collisionless electrostatic shock
P16-66		Takayoshi Sano		Particle acceleration in the mutual collision of collisionless shocks
P16-67		Laurent Berthe	Takayoshi SANO	SiCLAMEN-Gekko : Towards Real HyperVelocity Impact using Shock Produced by Laser Plasma. Application to debris protection, planetary defense and soil hydration by impacts.
P16-68		Masanori Iwamoto	Takayoshi SANO	Study on propagation process of intense coherent electromagnetic waves in magnetized plasmas
P16-69		Motoki Nakata	Takayoshi SANO	Formation and interaction of Beltrami magnetic fields in high energy density plasmas

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P16-70		Cobos Campos	Takayoshi SANO	Characterization of the initial linear transient phase in Richtmyer-Meshkov Instability
P16-71		Youhei Masada	Takayoshi SANO	Development of Sub-grid scale Transport Model for Stellar Thermal Convection
P16-72		David Riley	Takayoshi SANO	Photoionized laboratory plasmas of astrophysical relevance
P16-73		Fumiyoshi Kuwashima	Makoto Nakajima	Simultaneity of laser modes in laser chaos through plasmon antenna
P16-74		Fumiyoshi Kuwashima	Makoto Nakajima	Low cost and stable CW-THz spectroscopy for volcanic ash
P16-75		Raspberry Simpson	Yasunobu ARIKAWA	Focusing and light-ion acceleration through multi-picosecond pulse shaping.
P16-76		Matthieu Bardon	Yasunobu ARIKAWA	Energy bunching and acceleration enhancement of laser-driven proton and alpha particle beams using helical coil targets with tube.
P16-77		Nigel Woolsey	Yasunobu ARIKAWA	Investigation of early-stage hydrodynamic perturbations and evolution via x-ray phase contrast imaging.
P16-78		Keiichi Maeda	Yasunobu ARIKAWA	Analysis on dynamics of nuclear burning plasma by using simulation.
P16-79		Tomoya Nakamura	Yasunobu ARIKAWA	Development of a micrometer spatial resolution detector by using multi mode fiber imaging.
P16-80		Masao Yoshino	Toshihiko Shimizu	Synthesis and luminescence properties of (Gd, Y, Lu) ₃ (Ga, Al) ₅ O ₁₂ :Ce, Tb garnet-type scintillators