

# OPTO2026 Poster Program

6月16日(16th June) 9:30-11:15

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	代理発表者氏名 Substitute Presenter	ポスター題目 Poster Title
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 <sub>2</sub> 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		光をためて進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CsLiB6O10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	Shuheji 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
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		Junpei 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 Tsuri		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 $\mu\text{m}$ 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		アクロマレンス像転送によるJ-KAREN-PL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バ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 <sup>3+</sup> -doped glass scintillator for neutron detector
P16-64		Yoshiyuki Kawazoe	Nobuhiko SARUKURA	Prediction of physical properties of SrxC <sub>1-x</sub> F <sub>2</sub> 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
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		Keichi 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) <sub>3</sub> (Ga, Al) <sub>5</sub> O <sub>12</sub> :Ce, Tb garnet-type scintillators
P16-81		Akito Sagisaka		OPAを用いた高強度レーザーの高コントラスト化に向けた研究