

OPTO2021 Poster Program

ベスト ポスター賞 対象	ポスターチャン ネル	課題番号	研究領域	代表者氏名	代理発表者	研究課題名
	guidline	Participation procedure / poster posting method / poster program				
	001	2020A1-004KURAMITSU	レーザー宇宙物理学	Yasuhiro Kuramitsu		Experimental investigation on electron scale magnetic reconnections with high-power laser
	002	2020A1-017YAMAZAKI	レーザー宇宙物理学	Ryo Yamazaki		Experiments of collisionless shocks propagating into magnetized plasma
P	003	2020A1-023MORITA	レーザー宇宙物理学	Taichi Morita	Takuto Kojima	Magnetic reconnection in self-generated magnetic fields and its dependence on a guide-field
	004	2020A1-025MATSUKIYO	レーザー宇宙物理学	Shuichi Matsukiyo		Empirical research of self-reformation of collisionless shock by using power laser
	005	2020A1-032SANO	レーザー宇宙物理学	Takayoshi Sano		Laser-astronomy experiment on the suppression of interfacial hydrodynamic instabilities by strong magnetic fields
	006	2020A1-2019SAKAWA	レーザー宇宙物理学	Youichi Sakawa		Quasi-monoenergetic proton beam generation by collisionless shock
	007	2020B2-028MATSUKIYO	レーザー宇宙物理学	Shuichi Matsukiyo		Full particle-in-cell simulation for Gekko XII collisionless shock experiment
	008	2020B2-032YAMAZAKI	レーザー宇宙物理学	Ryo Yamazaki		Preliminary study toward magnetized shock experiments
	009	2020B2-036TANAKA	レーザー宇宙物理学	Shuta Tanaka		Preparation to laser experiments of induced Compton scattering
	010	2020B2-044OHIRA	レーザー宇宙物理学	Yutaka Ohira		Theoretical study toward laser experiments for collisionless shocks propagating to various plasmas
	011	2020B2-048FUKUDA	レーザー宇宙物理学	Yuji Fukuda		Proton acceleration using collisionless shocks produced in nonequilibrium plasmas
	012	2020B2-050TAKEZAKI	レーザー宇宙物理学	Taichi Takezaki		Comparison between high-power laser experiments and pulsed-power discharge experiment to study collisionless shocks
	013	2020B2-066LIU	レーザー宇宙物理学	Yao-Li Liu	Yasuhiro Kuramitsu	Numerical investigation of wakefield acceleration in laboratory astrophysics
	014	2020A1-018OZAKI	超高圧物性・惑星物理学	Norimasa Ozaki		Measurement of Hugoniot elastic limit of nano-polycrystalline diamond NPD
	015	2020A1-026YANG	超高圧物性・惑星物理学	Wenge Yang		Exploring the shock phase transition pathway of quartz-coesite-stishovite using GEKKO XII system
	016	2020A1-027OKUCHI	超高圧物性・惑星物理学	Takuo Okuchi	Takayoshi Sano	Extension of Hugoniot measurements for single crystals of synthetic denser polymorphs of Mg ₂ SiO ₄
	017	2020B1-017YANO	超高圧物性・惑星物理学	Hajime Yano		Fundamental Development of Microparticle Capture System through Hypervelocity Impact Simulations and Experiments at >10 km/s
	018	2020A1-009JOHZAKI	超高強度磁場科学	Tomoyuki Johzaki		Development of electron beam control scheme using kilo-tesla-class self-generated resistive magnetic field
P	019	2020A1-014LAW	超高強度磁場科学	King Fai Farley Law		Laser-driven three-dimensional magnetic reconnection by converging magnetized plasma
P	020	2020A1-021ABE	超高強度磁場科学	Yuki Abe		Control of kilo-Tesla-scale magnetic fields driven by high-power laser and micro-coil targets
P	021	2020A1-024ZHANG	超高強度磁場科学	Zhe Zhang	ZHU BAOJUN	Collimated charged particles generation with accompanied magnetic field
	022	2020A1-003ARIKAWA	量子ビーム科学	Yasunobu Arikawa		The efficient generation of relativistic electron ion by using fundamental+second harmonics mixed LFEX beam
P	023	2020A1-031YOGO	量子ビーム科学	Akifumi Yogo	Takato Mori	Realizing the high-temperature neutron environment inside a star by Laser-driven Neutron Source
	024	2020A1-2019YOGO	量子ビーム科学	Akifumi Yogo		Novel laser ion acceleration realized by a pure solid hydrogen foil
	025	2020B1-002JOHZAKI	量子ビーム科学	Tomoyuki Johzaki		Radiation-hydrodynamics simulation for development of laser-plasma X-ray source
	026	2020B2-022TOKUMOTO	量子ビーム科学	Ieyasu Tokumoto		Development of New Soil Moisture Detection System by Neutrons
	027	2020B2-037SATO	量子ビーム科学	Toru Sato		Theoretical calculation of neutron generation via nuclear reactions from spin-polarized deuterium
	028	2020B2-039KITAGAWA	量子ビーム科学	Masahiro Kitagawa		Development of spin-polarized deuterium target by using photo-excitation triplet electron dynamic nuclear polarization
	029	2020B2-042NISHIUCHI	量子ビーム科学	Mamiko Nishiuchi		Clarification of the dynamics of the highly charged heavy metal plasma produced by the high intensity laser
	030	2020B2-059MORACE	量子ビーム科学	Alessio Morace		Fast learning by high-intensity, high-repetition rate laser systems.
P	031	2020B2-062IWAMOTO	量子ビーム科学	Akifumi Iwamoto	Daiki Tanabe	Solid deuterium foil fabrication method for efficient cold neutron generation
	032	2020C-004YOGO	量子ビーム科学	Akifumi Yogo		Nuclear Photonics collaboration initiative
P	033	2020B1-007HABARA	プラズマ科学	Hideaki Habara	Junpei Fujiiki	Modeling of fast electron collimation in the imploded plasma by embedded high z wire
	034	2020B2-010MORI	プラズマ科学	Yoshitaka Mori		Investigation of electromagnetic wave propagation/absorption and plasma heating with polarization controlled counter-illuminating intense laser pulse
	035	2020B2-043MORITA	プラズマ科学	Taichi Morita		Two-dimensional and two-directional parameter measurements with laser Thomson scattering
	036	2020B2-049FRANCISCO	プラズマ科学	Francisco Cobos Campos		Compressible Richtmyer-Meshkov instability in a density gradient
	037	2020B2-056SENTOKU	プラズマ科学	Yasuhiko Sentoku		Study of intense laser driven isochoric heating using XFEL(SACLA)
	038	2020B2-058SENTOKU	プラズマ科学	Yasuhiko Sentoku		Developing a photon scattering model in non-thermal high energy density plasmas in PICLS code
	039	2020B2-060YAMADA	プラズマ科学	Toshiki Yamada		The development on a high sensitive EO polymer for ion/neutron measurement in laser fusion experiment
	040	2020B2-064TAGUCHI	プラズマ科学	Toshihiro Taguchi		Interaction between ultra-intense laser and plasma
	041	2020B2-067IWATA	プラズマ科学	Natsumi Iwata		Theoretical study on particle acceleration in high energy density plasmas created by kJ class ultraintense lasers
	042	2020B1-004ITO	テラヘルツ光科学	Ryota Ito		Study of broadband terahertz liquid crystal devices
	043	2020B1-006TANI	テラヘルツ光科学	Masahiko Tani		Development of new THz wave emission devices using metamaterial structures
	044	2020B1-009MORITA	テラヘルツ光科学	Ken Morita		Spin manipulation using high power THz pulse
	045	2020B1-010KAWAYAMA	テラヘルツ光科学	Iwao Kawayama		Evaluation for carrier dynamics of perovskite solar cells using terahertz emission
	046	2020B1-011SALVADOR	テラヘルツ光科学	Arnel A. Salvador		Investigation of deuterium irradiation on electrical and structural properties of gallium arsenide on silicon based solar cells
	047	2020B1-013MATSUI	テラヘルツ光科学	Tatsunosuke Matsui		Terahertz fast switching utilizing organic semiconductors
	048	2020B1-014ESTACIO	テラヘルツ光科学	Estacio, Elmer Surat		Terahertz emission characteristics of zinc oxide-based photoconductive antenna devices
	049	2020B1-015KAWAYAMA	テラヘルツ光科学	Iwao Kawayama		Establishment and application of terahertz time-domain spectroscopy for complex conductivity analysis of disordered systems
	050	2020B1-016MARUYAMA	テラヘルツ光科学	Mihoko Maruyama		Identification and imaging of polymorphs in urinary stones by terahertz spectroscopy
	051	2020B2-006OTANI	テラヘルツ光科学	Chiko Otani		Examination of Control of Superconducting Transition Temperature and its application to Microwave Kinetic Inductance Detectors
	052	2020B2-009KUWASHIMA	テラヘルツ光科学	Fumiyoshi Kuwashima		simultaneity of laser modes in laser chaos through plasmon antenna

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P	053	2020B2-012MAKINO	テラヘルツ光科学	Kotaro Makino		Terahertz device applications based on phase change materials
	054	2020B2-019LEE	テラヘルツ光科学	Sang-Seok Lee		IR and THz Wave Transmission Characterization of Gas Molecules Absorbed on Metal Organic Frameworks Electrodes
	055	2020B2-029ASAKAWA	テラヘルツ光科学	Makoto Asakawa		Smith-Purcell radiation emitted from ps electron bunch in THz wave range
	056	2020B2-033NASHIMA	テラヘルツ光科学	Shigeki Nashima		Fabrication of ultrabroadband wire-grid polarizers using sub-10um diameter wire
	057	2020B2-054KUWASHIMA	テラヘルツ光科学	Fumiyoshi Kuwashima		Low cost and stable CW-THz spectroscopy for volcanic ash
P	058	2020B2-018YOSHIDA	パワーレーザー科学	Minoru Yoshida	Hironori Okuda	Development of fiber laser pumped 4 um band Fe: ZnSe laser
P	059	2020B2-020KANABE	パワーレーザー科学	Tadashi Kanabe	Hiroki Kaneko	Improve performance of LFEX laser system
	060	2020B2-038INOUE	パワーレーザー科学	Shunsuke Inoue		Development of DPSS visible pulse laser system
P	061	2020B2-045KAWATO	パワーレーザー科学	Sakae Kawato	Kazufumi Ueshima	High gain of positive dispersion mode-locked laser and stabilization of output using highly nonlinear medium inside the oscillator
P	062	2020B2-047KAWATO	パワーレーザー科学	Sakae Kawato	Hiroki Goto	Quantification of the influence blue pumping on the efficiency of the continuous-wave Ti: sapphire laser
	063	2020B1-001MURATA	光学材料	Takahiro Murata		Improvement on characteristics of Pr ³⁺ -doped glass scintillator for neutron detector
	064	2020B1-003RADUBAN	光学材料	Marilou Cadatal-Raduban		Optimizing Praseodymium and Cerium co-doping in APLF glasses for improved neutron scintillator applications
	065	2020B1-005GARCIA	光学材料	Wilson Ong Garcia		Femtosecond pulsed laser deposition and characterization of CeO ₂ thin films
	066	2020B1-008SARMAGO	光学材料	Roland V. Sarmago		Vertically aligned zinc oxide-polymer composites as optical materials with improved UV luminescence quantum yield
	067	2020B1-012PUTUNGAN	光学材料	Alexandra Bernardo Santos-Putungan		Investigation of Hydrogen adsorption on Gallium Nitride: A Density Functional Theory Study
	068	2020B1-018SAMSON	光学材料	Vallerie Ann Innis Samson		Radiation-assisted ZnO nanostructure fabrication and its optical properties
	069	2020B2-002FUJIMOTO	光学材料	Yasushi Fujimoto		Development on advanced functional optical fiber devices and its application
	070	2020B2-003TOKUDA	光学材料	Yasunori Tokuda		Quasi-dielectric properties of metallic slit arrays and their application to control terahertz waves
	071	2020B2-014PHAM	光学材料	Pham Hong Minh		Development of a tunable, short-pulse UV laser system using a Ce:LiCAF crystal for LIDAR applications
	072	2020B2-015YOSHIKAWA	光学材料	Hiroshi Yoshikawa		Production of functional organic crystals by intense laser
	073	2020B2-023IWASA	光学材料	Yuki Iwasa		Luminescence properties of rare-earth doped mixed-anion compounds
	074	2020B2-024OGINO	光学材料	Hiraku Ogino		Development of new excitonic luminescent materials based on mixed anion compounds
	075	2020B2-025NAKANO	光学材料	Hitoshi Nakano		Development of a transparent Nd:CaF ₂ ceramic material
	076	2020B2-027MORI	光学材料	Yusuke Mori		Development of high-quality and large nonlinear optical borate crystal
	077	2020B2-051KUROSAWA	光学材料	Shunsuke Kurosawa		Scintillation study on transparent ceramics
	078	2020B2-052YAMAJI	光学材料	Akihiro Yamaji		Development of novel red and infrared phosphors with high luminosity and fast decay time
	079	2020C-002NAGATOMO	物理インフォマティクス	Hideo Nagatomo		Symposium on simulation and datability for high energy density science
	080	2020B2-001FURUKAWA	一般共同研究	Hiroyuki Furukawa		Development of integrated simulation code on laser processing using ultra short pulse lasers.
	081	2020B2-004HIROSE	一般共同研究	Shigenobu Hirose		Radiation MHD simulations of accretion disks
	082	2020B2-005MATSUOKA	一般共同研究	Chihiro Matsuoka		Nonlinear interaction between an interface and bulk point vortices in Richtmyer-Meshkov instability
	083	2020B2-007SUNAHARA	一般共同研究	Atsushi Sunahara		Numerical modeling of plasma facing materials
	084	2020B2-008SASAKI	一般共同研究	Akira Sasaki		Analysis of damage of optical materials using percolation model
	085	2020B2-011MOTOKOSHI	一般共同研究	Shinji Motokoshi		Build-up of silica glass structures by laser fabrication method
	086	2020B2-013YAMAMOTO	一般共同研究	Takao Yamamoto		Development of spherical rare-earth nitrides with different compositions for high-efficiency cryogenic refrigerators
	087	2020B2-016MOTOKOSHI	一般共同研究	Shinji Motokoshi		Laser-induced damage threshold by repetition pulses for optical materials
	088	2020B2-017FURUTA	一般共同研究	Hiroshi Furuta		THz radiation and absorption properties of CNT forest metamaterials
	089	2020B2-021KOIZUMI	一般共同研究	Mitsuo Koizumi		Development of a measurement system for NRTA using laser driven neutron source
	090	2020B2-026OHKUBO	一般共同研究	Tomomasa Ohkubo		Machine Learning of Dielectric Mirror for High Power Lasers
	091	2020B2-030FUJITA	一般共同研究	Masayuki Fujita		Development of Laser Beam Sources and their Applications
	092	2020B2-031UTSURO	一般共同研究	Masahiko Utsuro	Mitsuo Nakai	NMR study of HD probe in the temperature region of about 1-10K and preparation of solid HD thin layer-target
	093	2020B2-034MASADA	一般共同研究	Youhei Masada		Non-locality in the Solar Convection and its Impact on the Internal Transport Dynamics
	094	2020B2-035OHTA	一般共同研究	Izumi S. Ohta		Development of Sub-Terahertz TDS Polarimetry for Cosmic microwave Background Observation system
	095	2020B2-040YAMANAKA	一般共同研究	Chihiro Yamanaka		Laser isotope analyzer for luna mission
	096	2020B2-041NISHIKINO	一般共同研究	Nishikino Masaharu	Masato Ishino	Reserch on sensing technology and advanced beam applications by laser scanning
P	097	2020B2-046FURUSE	一般共同研究	Hiroaki Furuse	Daigo Ueno	Development of transparent ceramics
	098	2020B2-053TANABE	一般共同研究	Minoru Tanabe		Evaluation of laser speckles with red, green, and blue colored laser light sources and its suppression
	099	2020B2-055KAWAMURA	一般共同研究	Takahiro Kawamura		Effect of point defects on optical properties of GaN
	100	2020B2-057HIGASHIGUCHI	一般共同研究	Takeshi Higashiguchi		Development of regenerative D ₂ O target for high repetition rate laser-driven quantum beam sources
	101	2020B2-061INUBUSHI	一般共同研究	Yuichi Inubushi		Study of transient state of intense-laser-produced plasma using femtosecond X-ray spectroscopy
	102	2020B2-063ODA	一般共同研究	Yasuhisa Oda		Development of real-time control system for application of repetitive-pulse high-power laser
	103	2020B2-065SANO	一般共同研究	Takayoshi Sano		Decay instabilities of whistler waves in solar wind plasmas
	104	2020B2-068NARAZAKI	一般共同研究	Aiko Narazaki	Yoshiki Nakata	Basic technology research of nano-processing data acquisition toward CPS laser processing
	105	2020C-003KOIZUMI	一般共同研究	Mitsuo Koizumi		Development of NRTA method using laser driven neutron source
	106	NIFS16KUGK100	双方向型共同研究	Keisuke Shigemori		Study on role of hot electron on ultrahigh-pressure generation for shock ignition scheme
	107	NIFS18KUGK118	双方向型共同研究	Tomoyuki Johzaki		Core heating integrated simulations for self-ignition realization in fast ignition
P	108	NIFS18KUGK125	双方向型共同研究	Makoto Nakajima	Masato Ota	Ultrafast detection for the quantum beam by using electro-optic effect
P	109	NIFS20KUGK127	双方向型共同研究	Hideaki Yamada	Kouki Kawasaki	Improvements on implosion performance with diamond capsule target
	110	NIFS20KUGK128	双方向型共同研究	Yasunobu Arikawa		Diagnostics of ion temperature and density of fast ignition ICF plasma by means of ps-time resolution neutron detector

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	111	NIFS20KUGK129	双方向型共同研究	Hitoshi Sakagami		Converging Effects of Fast Electrons by Double-cone Targets
	112	NIFS20KUGK131	双方向型共同研究	Hideaki Habara	Junpei Fujiiki	Investigation of fast electron collimation by self-created magnetic field
	113	NIFS20KUGK133	双方向型共同研究	Shinsuke Fujioka		Observation of dynamics of plasma heating induced by high-intensity laser
P	114	Petr Valenta	その他	Petr Valenta		Formation of electromagnetic and electron rings during high-power laser pulse propagation in underdense plasmas
P	115	Martin Matys	その他	Martin Matys		Plasma shutter for improved ion acceleration driven by ultra intense laser pulses
P	116	David Kolenaty	その他	David Kolenaty		Laser-generated γ -photon beam interaction with high-Z target
P	117	Arqum Hashmi	その他	Arqum Hashmi		Manipulation of valley pseudospin in WSe2 monolayer by ultrafast laser pulses
P	118	Prachi Venkat	その他	Prachi Venkat		Theoretical study of electron excitation rates in Diamond and their dependence on laser field polarization
P	119	Kirill Lezhnin	その他	Kirill Lezhnin		Laser ion acceleration from structured solid targets with micron-scale channels
	120	Tetsuo Ozaki	その他	Tetsuo Ozaki		HOT ELECTRON AND ION SPECTRA ON THE BLOW-OFF PLASMA FREE TARGET IN THE GXII-LFEX DIRECT FAST IGNITION EXPERIMENT
	121	Sadaoki Kojima	その他	Sadaoki Kojima		次世代小型加速器のためのレーザー駆動イオンの高繰り返し発生
	122	Tomoyuki Endo	その他	Tomoyuki Endo		H2CO分子におけるローミング過程の実時間観測
P	123	Kazushi Terakawa	その他	Kazushi Terakawa		クラスターDNA損傷の分子動力学シミュレーション
P	124	Tatsuhiko Miyatake	その他	Tatsuhiko Miyatake		レーザー駆動イオン加速機構による炭素イオンビーム診断系の開発
P	125	Hikari Ohiro	その他	Hikari Ohiro		オージェ電子分光のための磁気ボトル型電子分光器の開発とその特性評価
P	126	Takafumi Asai	その他	Takafumi Asai		多重クーロン散乱過程を利用したサブGeV級レーザー加速陽子線計測手法の開発
P	127	Kotaro Imasaka	その他	Kotaro Imasaka		LiInS2による非同軸光パラメトリック増幅法を用いた近赤外フェムト秒光パルス生成
	128	Masaaki Tsubouchi	その他	Masaaki Tsubouchi		テラヘルツ自由電子レーザーによる水中光音響波発生とその応用
P	129	LI HAOLUN	その他	Li Haolun		真空中における損傷炭化水素の構造安定化に関する反応分子動力学シミュレーション
	130	Nobuhisa Ishii	その他	Nobuhisa Ishii		近赤外ピコ秒パルスを用いた数サイクルフェムト秒赤外白色光発生
	131	Akito Sagisaka	その他	Akito Sagisaka		Measurement of BISER