

OPTO2022 Poster Program

6月28日 (28th June) 16 : 00-17 : 30

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
28-1		Zhe Zhang		Collimated charged particles generation and application with accompanied magnetic field
28-2		Shuichi Matsukiyo		Empirical research of self-reformation of collisionless shock
28-3		Taichi Morita		Investigation of the structure and rate of a laser-driven magnetic reconnection
28-4		Paul Mabey		Studying the interplay between shocks and magnetic fields in the Universe
28-5	*	SAKAWA Youichi	Shunsuke Egashira	Particle acceleration via magnetic reconnection using capacity coil target
28-6		Shuta Tanaka		Preparation to laser experiments of induced Compton scattering
28-7		Shota Kisaka		Theoretical study for experimental verification of conditions of coherent radiation and stimulated emission for understanding of Fast Radio Bursts
28-8		Akira Mizuta		Study of hydrodynamic instabilities in astrophysical jet propagation using ultra intense laser plasma experiments
28-9		Yuji Fukuda		Ion acceleration using collisionless shocks produced in nonequilibrium plasmas
28-10		Norimasa Ozaki		Phase transition kinetics observed using laser-driven decaying shock compression
28-11		EINAGA Mari		LASER DAC Hybrid Compression Experiment on High Temperature Superconducting Hydrogen Sulfide
28-12		Tomoko Sato	Norimasa Ozaki	Melting behavior of silicate during planetary evolution
28-13	*	Shinsuke Fujioka	Ryunosuke Takizawa	High density compression with tailored laser pulse and solid ball
28-14		Dimitri BATANI		Behavior and optical properties of materials of planetological interest (water, carbon, LiH) at Megabar pressures
28-15		Hajime Yano		Fundamental Development of Microparticle Capture System through Hypervelocity Impact Simulations and Experiments at >10 km/s
28-16	*	Jiayong Zhong	Law King Fai Farley	Zeeman splitting in the EUV spectrum emitted from a magnetized silicon plasma
28-17		Hantao Ji		Study of Particle Acceleration from Magnetically-Driven Collisionless Reconnection at Low Plasma Beta Using Laser-Powered Capacitor Coils
28-18		Yasunobu Arikawa		Study on generation of a large electric current generation by using two-wavelengths and polarizations mixed ultra high intensity laser
28-19	*	Akifumi Iwamoto	Wei Tianyun	Pure proton/deuteron beam acceleration by laser
28-20		Mamiko Nishiuchi		Investigation of the formation of high intensity laser produced highly charged heavy ion plasmas
28-21		Takeshi Higashiguchi		Development of high-repetition rate laser-produced plasma quantum beam source by regenerative D2O target
28-22		Ieyasu Tokumoto		Development of New Soil Moisture Detection System by Neutrons
28-23		Shunsuke Inoue	Yasunobu Arikawa	The development for a higher pulse power on a 589-nm DPSS laser by using Passive Q-switch
28-24		Toru Sato	Yasunobu Arikawa	Theoretical study on neutron generation by disintegration of polarized deuterium
28-25	*	Akifumi Iwamoto	Tsuneya KATSU	Development of a solid deuterium foil target system for laser neutron generation
28-26		Masahiro Kitagawa	Yasunobu Arikawa	Development of spin polarized deuterium target by using dynamic nuclear polarization for laser driven neutron generation
28-27		Shinsuke Fujioka		Realization of stable, quasi-static and high-density material compression with tailored laser pulse and solid ball target
28-28	*	Delahaye	Jinyuan Dun	Opacities for astrophysical applications
28-29		Hiroshi Sawada		Study of characteristic K-alpha x-ray production using high power LFEX laser
28-30		Alessio Morace		Ion stopping power in dense plasmas
28-31		Tomoyuki Johzaki		Development of X-ray ray-tracing code and its application to experimental analysis
28-32		Yasuhiko Sentoku		Study of Isochoric heating physics using XFEL(SACLA)
28-33		Yasuhiko Sentoku		Developing a photon scattering model in non-thermal high energy density plasmas in PICLS code
28-34	*	Hideaki Habara	Yoshinori Ueyama	Modeling of magnetic field creation via resistivity gradient in the high density plasma
28-35		Francisco Cobos-Campos		Dependence of Richtmyer-Meshkov Instability growth on gas compressibility
28-36		Yoshitaka Mori		Investigation of electromagnetic wave propagation/absorption and plasma heating with polarization-controlled counter-illuminating intense laser pulse
28-37		Natsumi Iwata		Theoretical study on particle acceleration in high energy density plasmas created by kJ class ultraintense lasers
28-39		Shingo Ono	Yuma Takeda	Development of broadband antireflection structure in THz region
28-40		Iwao Kawayama		High frequency characteristics of non-Drude-type conductors
28-41		Masahiko Tani		Study on high-efficiency terahertz wave generation by metallic spintronic devices
28-42		Tatsunosuke Matsui		Terahertz fast switching utilizing organic semiconductors
28-43		Mihoko Maruyama		Identification and imaging of polymorphs in urinary stones by terahertz spectroscopy
28-44		Fumiyoshi Kuwashima		simultaneity of laser modes in laser chaos through plasmon antenna
28-45		Makoto Asakawa		Smith-PURcell radiation emitted from ps electron bunch in THz wave range
28-46		Akira Sasaki		Analysis of damage of optical materials through micro breakdown using percolation
28-47		Kotaro Makino		Terahertz spectroscopic study of phase change materials and device applications
28-48		Sang-Seok Lee	Tatsuki Hanada	IR and THz Transmission Characteristics of Metal Organic Framework Thin Film Fabricated on the Flexible Substrate
28-49		Sakae Kawato		Theoretical analysis of expansion of output pulse width and chirp linearization of positive dispersion mode-locked laser using high gain and high non-linearity effect.
28-50		Sakae Kawato	Hiroki Goto	Higher Efficiency of Laser Diode Pumped Hemispherical Cavity Continuous Wave Yb:YAG Lasers
28-51		Ken Morita		Spin manipulation using high power THz pulse
28-52		Shigeki Nashima		Fabrication of metal hole with sharp transmission spectra in terahertz region
28-53		Shingo Sato		空孔クラスターの形成過程の解明

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28-54		Nao Shibata		HoloLens2を用いた放射線可視化システムの開発
28-55		Haruto Miura		放射線影響下におけるDNA切断回数の時系列解析を目指した画像処理技術の開発
28-56	*	Ikuto Ohtaka		赤城大沼湖水中セシウム濃度時間発展予測モデルの素過程解明
28-57	*	Yuki Kojima		タングステン壁におけるリサイクリング水素分子の振動・回転準位の見積もり
28-58	*	Masato Iida		炭素壁水素リサイクリング過程の分子動力学シミュレーションと機械学習による放出粒子予測の試み
28-59	*	Yohei Tsuchida		DNAのトリチウム耐性評価を 目指したトリチウム置換確率の検討
28-60	*	Kazushi Terakawa		脱塩基部位を有するクラスターDNA損傷の分子動力学シミュレーション
28-61	*	Arqum Hashmi		Single-cycle two-color induced valley polarization in WSe2 monolayer
28-62	*	Masayasu Hata		量子メス開発におけるレーザー加速イオン入射器シミュレーションの進展
28-63		Chang Liu		Plasma temperature diagnostic using high energy X-ray spectrometer in Ion-acceleration experiment
28-64	*	Yasuhiro Miyasaka		Water cooled SiC ceramic substrate for heat resistant optics
28-65		Sadaoki Kojima		次世代重粒子線がん治療装置のための高純度炭素イオンのレーザー駆動加速
28-66		Tatiana Pikuz		Spectroscopic observation of a strong magnetic field induced in high-density relativistic plasma
28-67	*	Ryuta Kawanami		OHラジカルによるDNA損傷メカニズムの 分子動力学シミュレーション研究
28-68		Tomomasa Ohkubo		Machine Learning of Dielectric Mirror for High Power Lasers
28-69	*	Matys Martin		Optimization of ion beam parameters using steep-front laser pulse

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6月29日 (29th June) 10 : 00-12 : 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
29-1		Tadashi Kanabe	Naoaya Miyaji	Improvement of LFEX laser system.
29-2		Shinji Motokoshi		Build-up of silica glass structures by laser fabrication method
29-3		Takahiro Murata		Improvement on characteristics of Pr ³⁺ -doped glass scintillator for neutron detector
29-4		Marilou Cadatal-Raduban		Investigating the scintillation properties of rare-earth-doped APLF glasses with various doping concentrations and excitation sources
29-5		Hiroaki Furuse		Development of transparent ceramics
29-6		Yasushi Fujimoto		Development on advanced functional optical fiber devices and its application
29-7		Yuki Iwasa	Kohei Yamanoi	Luminescence properties of rare-earth doped mixed-anion compounds
29-8		Hiraku Ogino		Development of novel excitonic luminescence materials by layered mixed-anion compounds
29-9		Toshiki Yamada	Yasunobu Arikawa	The modification of the wavelength of EO polymer for ion/neutron measurement in laser fusion experiment
29-10		Yusuke Mori		High quality large scale borate optical crystal
29-11	*	Hiroshi Yoshikawa	Hozumi Takahashi	Production of Organic Functional Crystals by Using Intensive Lasers
29-12		Hideo Nagatomo		Research workshop on simulation and datability for high energy density science
29-14		Shigenobu Hirose		Radiation MHD simulations of accretion disks
29-15		Hiroyuki Furukawa		Development of integrated simulation code on laser processing using ultra short pulse lasers.
29-16		Yuichi Inubushi		Study of transient state of intense-laser-produced plasma using femtosecond X-ray spectroscopy
29-17		Chihiro Matsuoka		Nonlinear interaction in multi-layer fluid interfaces with density stratification
29-18		Minoru Tanabe		Evaluation of laser speckles with red, green, and blue colored laser light sources and its suppression
29-19		Hitoshi Nakano		Development of a transparent Nd:CaF ₂ ceramic material
29-20		Takayoshi Sano		Decay instabilities of whistler waves in solar wind plasmas
29-21		Atsushi Sunahara		Numerical modeling of plasma facing materials
29-22		Masayuki Fujita	Toshihiro Somekawa	Research on development, control, applications of quantum beam sources
29-23		Mitsuo Koizumi		Development of a measurement system for neutron resonance transmission analysis with a laser driven neutron source
29-24		Hiroshi Furuta		THz radiation and absorption properties of CNT forest metamaterials
29-25		Yasuhisa Oda		Development of real-time control system for application of repetitive-pulse high-power laser
29-26		Youhei Masada		Interaction of Turbulent Field and Mean Field : Development of 3D Mean-field Solar Dynamo Model
29-27		Shunsuke Kurosawa		Development of Transparent Ceramics II
29-28		Takahiro Kawamura		Effect of point and complex defects on optical properties of GaN
29-29		Fumiyoshi KUWASHIMA		Low cost and stable CW-THz spectroscopy for volcanic ash
29-30		Hiroshi Sawada		Investigation of imploded cone-in-shell targets in externally applied magnetic fields
29-31	*	Masato Ohta		"Ultrafast detection of quantum beams by electro-optic sampling"
29-32	*		Koki Kawasaki	Improvements on implosion performance with diamond capsule target
29-33			Yasunobu Arikawa	Laser fusion burn history measurement by using pico second time resolution neutron detector
29-34			Yasunobu Arikawa	高速イメージングセンサーNanoSISを用いたレーザー核融合中性子イメージング
29-35	*	Junpei Fujiiki		Fast electron collimation by self-generated magnetic fields
29-36		Hitoshi Sakagami		先導極超高強度レーザーによる高速電子のガイディング効果
29-37	*	Tomoyuki Idesaka	Tomoyuki Idesaka	Target design for shock ignition scheme of direct drive laser fusion
29-38		Tomoyuki Johzaki		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
29-39		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
29-40		Nozomi Tanaka		SRJ Joint Research Division for Laser Application
29-42		Mizuki Tani		Vlasov simulation of electron dynamics in aluminum under intense laser fields
29-43	*	Daisuke Tanaka		"Study on energy transportation of nanowire array under ultra high energy density state."
29-44	*	Prachi Venkat		Study of laser excitation and damage in silicon using Three-Temperature model
29-45		Liu Chang		Plasma temperature diagnostic using high energy X-ray spectrometer in Ion-acceleration experiment
29-46		Masakatsu Murakami		超高強・超高出力レーザーによるメガテスラ磁場とSchwinger電場への挑戦
29-47	*	Tamaki Maekawa		硬X線計測と発見的手法を用いた高速電子の特性の診断
29-48		Shuji Miyamoto		Power Laser DX Platform
29-49		James Kevin Koga		On the possibility of the detection of viruses in air via laser induced breakdown spectroscopy
29-50		Mamiko Nishiuchi		High intensity laser driven charged particle acceleration via relativistic transparency regime
29-51		Atsushi Tamii		エマルジョンを利用したレーザープラズマからのガンマ線計測技術の開発
29-52		Tomoyuki Endo		ホルムアルデヒド分子の光解離過程の励起波長依存性
29-53		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
29-54	*	Kotaro Imasaka		LiInS ₂ による非同軸光パラメトリック増幅法を用いた赤外超短パルス光発生

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29-55		Nobuhisa Ishii		Ybレーザーを励起源とする高強度極短赤外光源開発
29-56	*	Kento Ishiguro		トリチウム壊変がもたらすDNA損傷のMDシミュレーション
29-57		Hiroyuki Katsuki		振動ポラリトン計測用可変長セルの開発
29-58		ZHANG JIAQI		Characterization of Solid D-T Fuel for Fusion Reactor Using Refractive Index Distribution Analysis
29-59	*	Wang Yubo		A high-transmittance Schwarzschild objective (SO) to focus high-intensity EUV-VUV light from laser-plasma light source
29-60		Toshihiro Taguchi		Interaction between ultra-intense laser and plasmas