

17TH INTERNATIONAL CONGRESS ON PLASMA PHYSICS 2014

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<u>LTP.05</u>	<u>V.V. Andreev</u>	INVESTIGATION OF IMPACT OF THE ELECTRIC DISCHARGES ON ORGANOSILICON VARNISH FILM APPLIED ON THE TEXTOLYTE SURFACE
<u>LTP.06</u>	<u>A. Fedoseev</u> ; G. Sukhinin; M. Vasilyev; O. Petrov	DUST CLOUD FORMATION IN THE STRIATION OF A DC GLOW DISCHARGE IN HELIUM
<u>LTP.07</u>	<u>G. Sukhinin</u> ; A. Fedoseev; M.	POLARIZATION OF “DUST QUASI-ATOMS” IN AN

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	Salnikov	EXTERNAL ELECTRIC FIELD
<u>LTP.08</u>	K. Zaima; K. Sasaki	RESPONSES OF OH(X) AND OH(A) TO THE ELECTRICAL CURRENT OF DIELECTRIC BARRIER DISCHARGE IN A PLASMA-ASSISTED BURNER FLAME
<u>LTP.09</u>	A. Janeco; V. Guerra; N. Pinhão	A GLOBAL MODEL FOR DBD CONVERSION OF CH <sub>4</sub> /CO <sub>2</sub>
<u>LTP.010</u>	Y. Yasaka; K. Yamaguchi; M. Uemura; H. Takeno	CONTROL OF SPATIAL PLASMA PROFILE IN SLOT-EXCITED MICROWAVE DISCHARGES BY USING INVERSE SIMULATION
<u>LTP.011</u>	J.A. Silva; J. Vallade; R. Bazinette; L. Gaudy; F. Massines	CHARACTERIZATION OF ATMOSPHERIC PRESSURE PLASMA-GROWN SINX:H FILMS
<u>LTP.012</u>	M. Merino, E. Ahedo	MAGNETIZED PLASMA PHYSICS IN MAGNETIC NOZZLES FOR SPACE ELECTRIC PROPULSION
<u>LTP.013</u>	T. Shiraishi; H. Nishida	DEVELOPMENT AND PERFORMANCE INVESTIGATION OF DUAL-GROUNDED TRI-ELECTRODE PLASMA ACTUATOR
<u>LTP.014</u>	G. Colonna, L. D. Pietanza, G. D'Ammando, M. Capitelli	STATE-TO-STATE MODELS FOR HIGH ENTHALPY NOZZLE AND SHOCK TUBE FLOWS
<u>LTP.015</u>	Xiaolong Deng, A. Nikiforov,	PREPARATION OF AGNPS DECORATED NON-

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	Ch. Leys	WOVEN FABRICS USING AN ATMOSPHERIC PRESSURE NONEQUILIBRIUM PLASMA JET
<u>LTP.016</u>	Jaeho Kim; H. Sakakita	OPTICAL DIAGNOSTICS OF ATMOSPHERIC PRESSURE MICROWAVE-EXCITED PLASMA JETS
<u>LTP.017</u>	<u>L.L. Alves</u> , and the LXcat team	THE LXCAT PROJECT
<u>LTP.018</u>	T. Silva; N. Britun; T. Godfroid; R. Snyders	CHARACTERIZATION OF MICROWAVE GASEOUS DISCHARGES FOR DISSOCIATION OF CO <sub>2</sub>
<u>LTP.019</u>	S. Mitic; J. Kaupe	STAR-SHAPED DENSITY FLUCTUATIONS IN A CAPACITIVELY-COUPLED LOW PRESSURE, XENON RF DISCHARGE
<u>LTP.020</u>	Masaru Irie ; M. Kubo-Irie	THE "STABLE" HELICAL MODE IN ARC DISCHARGE.
<u>LTP.021</u>	F. E. M. Silveira; R. M. O. Galvão	AXISYMMETRIC INSTABILITIES FOR PLASMA COLUMNS WITH PARABOLIC PROFILE: CURRENT RELAXATION AND INDUCTIONLESS APPROXIMATION
<u>LTP.022</u>	E. Sternberg; N. Rodrigues; J. Amorim	DYNAMICS OF A LASER-ABLATED MOLYBDENUM PLUME
<u>LTP.023</u>	T. Nakamura; Sho Ito; H. Nishida	THRUST PERFORMANCE OF PERMANENT MAGNET TYPE HELICON PLASMA THRUSTER IN

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		VARIOUS MAGNETIC FIELD DISTRIBUTIONS
<u>LTP.O24</u>	M. Lino da Silva, B. Lopez, D. Resendes, V. Guerra, J. Loureiro	STATE-TO-STATE MODELING OF HIGH-SPEED, NONEQUILIBRIUM SHOCKED FLOWS

**POSTERS – LIST OF ABSTRACTS****POSTERS – MCF – Magnetically Confined Fusion**

<u>MCF.P1</u>	J.T. Mendonça; R.M.O. Galvão; C. Amador	THEORY OF TURBULENT REFLECTOMETRY
<u>MCF.P2</u>	M.M. Tsventoukh; G.V. Krashevskaya	PLASMA CONVECTIVE STABILITY AT MAGNETIC FIELD LINES OF ALTERNATING-SIGN CURVATURE
<u>MCF.P3</u>	E. de la Cal; P Semwal; A. Martin Aguilera; B. van Milligen; J.L. de Pablos; Z. Khan; C. Hidalgo	DOUBLE IMAGING WITH INTENSIFIED VISIBLE FAST CAMERA TO VISUALIZE THE FINE STRUCTURE OF TURBULENT COHERENT PLASMA STRUCTURES (BLOBS)
<u>MCF.P4</u>	K. Ichiguchi; Y. Suzuki; M. Sato; Y. Todo; T. Nicolas; B.A. Carreras; S. Sakakibara; S. Ohdachi; Y. Narus	NUMERICAL SIMULATION OF PRESSURE DRIVEN MODES IN HELIOTRON PLASMAS WITH RESONANT MAGNETIC PERTURBATIONS
<u>MCF.P5</u>	T. Nicolas; H. Lütjens; J.-F. Luciani; X. Garbet; R. Sabot	MAGNETOHYDRODYNAMIC SIMULATIONS OF SAWTOOTH CRASH INDUCED ELECTRON AND IMPURITY TRANSPORT IN TOKAMAK PLASMAS

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<u>MCF.P6</u>	<u>I. Yamada</u> ; R. Yasuhara; H. Funaba; H. Hayashi	DENSITY CORRECTION METHOD USING A BEAM IMAGE POSITION MONITOR IN THE LHD THOMSON SCATTERING SYSTEM
<u>MCF.P7</u>	<u>T. Kanki</u> ; M. Nagata	EFFECTS OF MULTI-PULSING COAXIAL HELICITY INJECTION ON TWO-FLUID FLOWING EQUILIBRIUM CONFIGURATIONS OF SPHERICAL TORUS PLASMAS
<u>MCF.P8</u>	<u>I. Nanobashvili</u>	USE OF INTERMITTENT BURST TEMPORAL CHARACTERISTICS FOR INVESTIGATION OF PLASMA TURBULENT TRANSPORT IN TOKAMAKS
<u>MCF.P9</u>	<u>K. Hizanidis</u> ; A. K. Ram; J. Valvis; G. Kokkorakis; J. Roumeliotis; Ch. Tsironis; G. Anastasiou; Y. Kominis; A. Papadopoulos; E. Glytsis <sup>1</sup> ; F. Bairaktaris	SCATTERING OF RF WAVES BY EDGE DENSITY FLUCTUATIONS AND BLOBS IN A TOKAMAK
<u>MCF.P10</u>	M. Watanabe; D. Tsumuraya; T. Kamada	DYNAMO EFFECT IN THE REVERSED FIELD PINCH PLASMA FORMED BY A SELF-REVERSAL METHOD
<u>MCF.P11</u>	<u>K. C. Rosalem</u> ; M. Roberto; I. L.	RESONANT MODES IN DRIFT WAVE TRANSPORT

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<u>MCF.P12</u>	<u>L. Fattorini</u> ; R. Barni; S. Caldirola; C. Riccardi	DYNAMICS OF PLASMA DENSITY STRUCTURES IN THE THORELLO DEVICE
<u>MCF.P13</u>	<u>L. Fattorini</u> ; R. Barni; C. Riccardi	A NEW EMISSION SPECTROSCOPY DIAGNOSTIC IN THE THORELLO DEVICE
<u>MCF.P14</u>	<u>H. Itagaki</u> ; T. Asai; M. Inomoto; T. Takahashi	MITIGATION OF SPONTANEOUS ROTATION OF FIELD-REVERSED CONFIGURATION BY USING MAGNETIZED PLASMOID INJECTION
<u>MCF.P15</u>	<u>D.N. Karbushev</u> ; V.I. Khvesyuk; A.Yu. Chirkov	FINITE AMPLITUDE DRIFT WAVE DYNAMICS AND DRIFT TURBULENCE IN PLASMA SHEARED FLOWS
<u>MCF.P16</u>	<u>A.D. Beklemishev</u> ; <u>V.V. Postupaev</u> ; A.V. Sudnikov	USE OF HELICAL MAGNETIC FIELD SECTIONS FOR CONFINEMENT IMPROVEMENT IN LINEAR MAGNETIC TRAPS
<u>MCF.P17</u>	<u>Y. Nagamine</u> ; M. Aizawa	SIMULATION STUDY ON RESISTIVE INSTABILITIES IN SPHERICAL (OR LOW ASPECT RATIO) REVERSED FIELD PINCH
<u>MCF.P18</u>	<u>A.M.M. Fonseca</u> ; Z.O. Guimarães-Filho; V.C. Theodoro; J.H.F. Severo; Y.K. Kuznetsov; R.M.O. Galvão; L. F.	DETERMINATION OF RATIONAL SURFACE POSITION AND MAGNETIC ISLAND WIDTH IN TCABR

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	Ruchko; I.C. Nascimento	
<u>MCF.P19</u>	G.R. Costa Almeida; <u>M. Roberto</u> ; I.L. Caldas	SYMPLECTIC MAPS IN TOKAMAKS WITH POLOIDAL DIVERTOR
<u>MCF.P20</u>	A.C. Fraile Júnior; <u>M. Roberto</u> ; I.L. Caldas	PLASMA RESPONSE TO RESONANT MAGNETIC PERTURBATIONS IN TOKAMAKS
<u>MCF.P21</u>	P. G. P. P. Puglia; A. Elfimov; L. Ruchko; R.M.O. Galvão; Z. O. Guimarães-Filho; G. Ronchi; A.M.M. Fonseca; Yu. K. Kuznetsov; I. C. Nascimento; A.P. Reis <sup>1</sup> ; W. P. de Sá; E.K. Sanada; J.H.F. Severo; J.J. Elizondo; D. L. Toufen	EXCIATION OF GAW IN TCABR WITH LOW RF POWER AND PARITY SELECTION
<u>MCF.P22</u>	<u>F. da Silva</u> ; S. Heurax; A. Silva	SIMULATION OF MULTIBAND SWEPT REFLECTOMETRY FOR PROFILE EVALUATION ON DEMO USING A FDTD MAXWELL FULLWAVE CODE
<u>MCF.P23</u>	T. Ribeiro; <u>F. da Silva</u> ; S. Heurax; B. Scott	SYNTHETIC REFLECTOMETRY PROBING OF GYROFLUID EDGE TURBULENCE
<u>MCF.P24</u>	<u>F.A. Marcus</u> ; P. Beyer	CONVECTIVE RADIAL ENERGY FLUX DUE TO RESONANT MAGNETIC PERTURBATIONS

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<u>MCF.P25</u>	M. Takeuchi; T. Sugie; S. Takeyama; K. Itami	DEVELOPMENT OF IN-SITU CALIBRATION METHOD BY USING AN IR LASER FOR ITER DIVERTOR IR THERMOGRAPHY
<u>MCF.P26</u>	E. Martines; D. Bonfiglio; S. Cappello; P. Innocente; H. Isliker; R. Lorenzini; B. Momo; C. Rea; M. Veranda; L.Vlahos; P. Zanca; M. Zuin	MAGNETIC TOPOLOGY CHANGE INDUCED BY DISCRETE RELAXATION EVENTS IN REVERSED FIELD PINCH PLASMAS
<u>MCF.P27</u>	V.V. Plyusnin; L. Jakubowski; P. Duarte; H. Figueiredo; K. Malinowski; C. Silva; M.J. Sadowski; M. Jakubowski; H. Fernandes; M. Rabinski; J. Zebrowski	STUDY OF PLASMAS WITH LARGE POPULATIONS OF FAST ELECTRONS IN ISTTOK
<u>MCF.P28</u>	J. Prompting; T. Kunamaspakorn; R. Picha; N. Poolyarat; T. Onjun; Y. Pianroj	EFFECTS OF PYREX INSULATOR LENGTH ON PINCH CURRENT IN ARGON-FILLED PLASMA FOCUS DEVICE (TPF-1)
<u>MCF.P29</u>	R. Jorge; F. Halpern; N. Loureiro; P. Ricci; C. Silva	SIMULATION OF SOL TURBULENCE IN THE ISTTOK TOKAMAK
<u>MCF.P30</u>	A.M.M. Fonseca; C.H.S.Amador; J.I. Elizondo; G.Ronchi; R.M.O.	DENSITY PROFILE RECONSTRUCTION IN THE TCABR TOKAMAK

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<u>MCF.P31</u>	<u>E. Sorokina</u> ; A. Skovoroda; V.Ilgisonis	STOCHASTIC TOKAMAK
<u>MCF.P32</u>	<u>V. Ilgisonis</u> ; V. Lakhin; E. Sorokina	ANALYTICAL SOLUTIONS FOR GEODESIC ACOUSTIC EIGENMODES IN TOKAMAK PLASMAS
<u>MCF.P33</u>	<u>N. Hamada</u> ; K. Hanada; H. Zushi; K. Nakamura; H. Idei; M. Hasegawa; A. Fujisawa; Y. Nagashima	HEAT LOAD MEASUREMENT WITH A MOVABLE LIMITER IN NON-INDUCTIVE CURRENT DRIVEN PLASMA MAINTAINING WITH A MICROWAVE OF 8.2GHZ ON QUEST
<u>MCF.P34</u>	<u>N. Gierse</u> , S. Brezinsek, T. F. Giesen, M. Hubeny, A. Huber, M. Laengner, M. Nonhoff, V. Philipps, A. Pospieszczyk, G. Sergienko, J. Wegner, Q. Xiao, U Samm <sup>1</sup> , Ch. Linsmeier and the TEXTOR team	IN SITU ABLATION PARTICLE VELOCITY AND ANGULAR DISTRIBUTION MEASUREMENTS IN MAGNETIC FUSION DEVICES

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<u>MCF.P35</u>	V.I. Vargas; J. Mora; C. Otárola; J. Asenjo; E. Zamora; C. Piedra	CONSTRUCTING A SMALL MODULAR STELLARATOR IN LATIN AMERICA
<u>MCF.P36</u>	<u>D.L. Toufen</u> ; F.A.C. Pereira; Z. Guimarães-Filhos; I.L. Caldas; K.W. Gentle	ANALYSIS OF EXTREME EVENTS PROPAGATION ON BIASED PLASMA IN TEXAS HELIMAK
<u>MCF.P37</u>	<u>Leopoldo Soto</u> ; María José Inestrosa-Izurietta; Cristian Pavez; José Moreno; Biswajit Bora and Gonzalo Avaria	DETERMINATION OF THE DAMAGE FACTOR ON MATERIALS ATTACKED BY PLASMA BURSTS FROM PLASMA FOCUS DEVICES
<u>MCF.P38</u>	<u>Jalaj Jain</u> ; José Moreno; Gonzalo Avaria; Cristina Pavez; Biswajit Bora; María José Inestrosa Izurietta; Daniela Diez; Oscar Alvarez; Julio Tapia; Katherine Marcelain; Ricardo Armisen and Leopoldo Soto	CHARACTERIZATION OF X-RAYS PULSES FROM A HUNDRED JOULES PLASMA FOCUS TO STUDY ITS EFFECTS ON CANCER CELLS

## POSTERS – II – LPB – Laser and Particle Beams

<u>LPB.P1</u>	<u>J. Vieira</u> ; J.T. Mendonça	POSITRON ACCELERATION IN NON-LINEAR DOUGHNUT WAKEFIELDS DRIVEN BY HIGHER ORDER LASERS
<u>LPB.P2</u>	<u>M. Koga</u> ; H. Kadota; T. Hashimoto; M. Nagata; M. Niibe; K. Kanda; E. Fujiwara; S. Fujioka; T. Norimatsu; A. Sunahara; T. Johzak	DEVELOPMENT OF DLC CONE TARGETS FOR FAST IGNITION
<u>LPB.P3</u>	<u>J. Limpouch</u>	LASER INTERACTIONS WITH LOW-DENSITY POROUS TARGETS
<u>LPB.P4</u>	<u>E. Roshanak</u> ; Davoud	EFFECT OF OBLIQUENESS AND INTENSITY OF THE EXTERNAL MAGNETIC FIELD ON THE WAVE PROPAGATION AND DENSITY PROFILE OF AN UNDER-DENSE NON-ISOTHERMAL COLLISIONAL MAGNETIZED PLASMA
<u>LPB.P5</u>	<u>P. Palmeri</u> ; P. Quinet; D. Batani	COPPER FINE-STRUCTURE K-SHELL ELECTRON IMPACT IONIZATION CROSS SECTIONS FOR FAST-ELECTRON DIAGNOSTIC IN LASER-SOLID EXPERIMENTS

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<u>LPB.P6</u>	A.M. Boichenko; <u>M.S. Klenivskyi</u>	THE FEASIBILITY OF XECL LASING AT THE EXCITATION OF A XE/CSCL GAS-VAPOR MIXTURE BY A LONGITUDINAL PULSE-PERIODIC DISCHARGE
<u>LPB.P7</u>	<u>Fu-Qiu Shao</u>	ENHANCED TARGET NORMAL SHEATH ACCELERATION BASED ON THE LASER RELATIVISTIC SELF-FOCUSING
<u>LPB.P8</u>	<u>N.K.Jaiman</u> ; B.S.Sharma	EFFECT OF DEPHASING LENGTH ON WAKEFIELD ACCELERATION IN MAGNETOPLASMA CHANNELS
<u>LPB.P9</u>	<u>F. Girard</u> ; M.C. Monteil	X-RAY CONVERSION ON GOLD TARGETS RELEVANT TO ICF FROM OMEGA EXPERIMENTS
<u>LPB.P10</u>	K. Grützmacher; <u>C. Pérez</u> ; L. M. Fuentes; M. I. de la Rosa	HIGH SPATIAL RESOLUTION MEASUREMENTS OF THE ELECTRIC FIELD IN A HOLLOW CATHODE DISCHARGE
<u>LPB.P11</u>	<u>V. Saxena</u> ; Z. Jurek; B. Ziaja; R. Santra	MODELING OF PICOSECOND TIME EVOLUTION OF CLUSTERS IRRADIATED BY FEL PULSE
<u>LPB.P12</u>	<u>M.R. Lopez</u> ; D. Bleiner; P. Zeitoun; Li Lu; B. Mahieu; H. Dacasa; M. Lozano	ACTINIC METROLOGY OF THE SCHWARCHILD OBJECTIVE BY USING A WAVEFRONT SENSOR
<u>LPB.P13</u>	<u>Y. Arbelo</u> ; D. Bleiner	ULTRAFAST DETECTOR FOR XUV-PULSE-DRIVEN

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		PHOTOELECTRON SPECTROSCOPY
<u>LPB.P14</u>	L. Masoudnia; D. Bleiner	OPTIMUM TIME CONFIGURATION OF PUMP PULSES FOR X-RAY PLASMA LASING
<u>LPB.P15</u>	P. Sharma; R.P. Sharma	RELATIVISTIC AND PONDEROMOTIVE EFFECTS ON CROSS-FOCUSING OF HOLLOW GAUSSIAN LASER BEAMS IN PLASMA
<u>LPB.P16</u>	S. K. Misra; O. Carel; N.K. Pandey	ANALYSIS ON THE STABILITY OF A WAVEGUIDE NANOPLASMA AND THE INTENSITY VARIATION OBSERVED BY ENHANCED EUV FLUORESCENCE USING FEW-FEMTOSECOND LOW-ENERGY LASER PULSES
<u>LPB.P17</u>	A. Debayle; J. Sanz; L. Gremillet	SELF-CONSISTENT THEORY OF HIGH-ORDER HARMONIC GENERATION BY RELATIVISTIC PLASMA MIRROR
<u>LPB.P18</u>	E. Peter; A. Endler; F. Rizzato	A MODEL FOR THERMAL EFFECTS IN FREE-ELECTRON LASERS
<u>LPB.P19</u>	N. Tsuda; S. Ono; K. Palanisamy; V. Srinivasan; J. Yamada; S. Ochiai	LASER PROCESSING AND ABLATION PLASMA TEMPERATURE OF ORGANIC THIN FILM
<u>LPB.P20</u>	N.V. Vvedenskii; V.A. Kostin; I.D. Laryushin; A.A. Silaev	LASER-PLASMA GENERATION OF TUNABLE FEW-CYCLE MID-INFRARED PULSES

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<u>LPB.P21</u>	T. Grismayer; M. Vranic; J.L. Martins; R. Fonseca; L.O. Silva	MODELING OF QED PAIR PRODUCTION WITH A PARTICLE-IN-CELL MERGING ALGORITHM
<u>LPB.P22</u>	M. Vranic; T. Grismayer; J. L. Martins; R.A. Fonseca; L.O. Silva	HIGH INTENSITY LASER – ELECTRON INTERACTION IN THE TRANSITION BETWEEN THE CLASSICAL AND THE QED REGIME
<u>LPB.P23</u>	R.Fedele; T. Mendonca; S. De Nicola; G. Fiore	SELF-MODULATION AND RADIATION EMISSION OF A LONG RELATIVISTIC CHARGED-PARTICLE BEAM INTERACTING WITH A PUMP-DRIVEN PLASMA WAVE
<u>LPB.P24</u>	L. F. Monteiro; A. Serbeto; R. M. O. Galvão; J. T. Mendonça	COHERENT X-RAY EMISSION OF A NON-DEGENERATED COLD ELECTRON BEAM
<u>LPB.P25</u>	Y. Maheut; S. Baton; L. Antonelli; D. Batani; X. Ribeyre; E. Le Bel; E. Brambrink; M. Koenig; C. Rousseaux; P. Forestier-Colleoni; M. Richetta	EXPERIMENT ON THE PROPAGATION OF A SHOCK WAVE IN PLANAR AND SPHERICAL GEOMETRY
<u>LPB.P26</u>	Y. Maheut; L. Antonelli; F. Baffigi; D. Batani; T. Chodukowski; G. Critoforetti; L.A. Gizzi; Z. Kalinowska; P.	RECENT RESULTS OF PALS EXPERIMENT ON LASER-PLASMA INTERACTION FOR PLANAR TARGET AT CONDITIONS RELEVANT TO SHOCK IGNITION

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	Köster; E. Krousky; L. Labate; P. Nicolai; T. Pisarczyk; O. Renner; M. Richetta; M. Rosinski; M. Smid; C. Spindloe; J. Ullschmied	
<u>LPB.P27</u>	D. Batani; M. Kimpel; M. Koenig; A. Benuzzi-Mounaix; B. Telaro; M. Rabec Le Gloahec; T. Hall; C. Cavazzoni; I. Masclet; B. Marchet; Ch. Reverdin; R. Jeanloz; J. Pasley; D. Neely; C. Danson; <u>K. Jakubowska</u>	REFRACTION INDEX OF SHOCK COMPRESSED WATER IN THE MEGABAR PRESSURE RANGE
<u>LPB.P28</u>	<u>I. Yu. Kostyukov</u> ; E. N. Nerush	GAMMA-RAY GENERATION AT LASER-SOLID INTERACTION IN NEAR QED REGIME
<u>LPB.P29</u>	L. Volpe	MAGNETIC FIELD GENERATION AND OHMIC HEATING INDUCED BY FEMTO-SECONDS LASER PULSED INTERACTION WITH A SOLID TARGET

**POSTERS – III – BAP – Basic and Astrophysical Plasmas**

<u>BAP.P1</u>	<u>M. Horký</u> ; W.J. Miloch; M. Žáček	KINETIC STUDIES OF CROSSFIELD PLASMA INSTABILITIES IN WEAKLY COLLISIONAL PLASMAS
<u>BAP.P2</u>	<u>V.S. Dharodi</u> ; A. Das	RAYLEIGH TAYLOR INSTABILITY IN A VISCO-ELASTIC MEDIUM USING GENERALIZED
<u>BAP.P3</u>	<u>H. Yagi</u> ; H. Motomura; M. Jinno	GENERATION OF ATMOSPHERIC PLASMA IN THE OPEN-AIR AND ITS APPLICATION FOR CHEMICAL VAPOR DEPOSITION OF HARD CARBON FILMS
<u>BAP.P4</u>	<u>Myoung-jae Lee</u> ; Hee J. Lee; Kyu-Sun Chung	STABILITY OF THE TRANSVERSE MAGNETIC SURFACE MODE OF A SEMI-INFINITE VLASOV-POISSON PLASMA
<u>BAP.P5</u>	<u>F. Verheest</u> ; M. Hellberg	ELECTROSTATIC SUPERSOLITONS AT THE ACOUSTIC SPEED IN NONTHERMAL PLASMAS
<u>BAP.P6</u>	<u>G.A. Pavlov</u>	NONLINEAR PHENOMENA AND TRANSPORT IN NON-IDEAL CHARGED AND NEUTRAL SYSTEMS
<u>BAP.P7</u>	F. Nsengiyumva; M. Hellberg; F. Verheest; R. Mace	STOPBANDS IN THE EXISTENCE DOMAINS OF ACOUSTIC SOLITONS
<u>BAP.P8</u>	<u>S. Yoshimura</u> ; K. Terasaka; E. Tanaka; M. Aramaki; M.Y.	INTERMITTENT GENERATION OF LOCALIZED HIGHER ELECTRON TEMPERATURE REGIONS IN

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	Tanaka	A WEAKLY-IONIZED ELECTRON CYCLOTRON RESONANCE PLASMA
<u>BAP.P9</u>	<u>K. Terasaka</u> ; S. Yoshimura; F. Kawazu; M. Aramaki; M. Y. Tanaka	STUDY ON FLOW STRUCTURE FORMATION IN A DIVERGING MAGNETIC FIELD WITH THE HYPER-II DEVICE
<u>BAP.P10</u>	M. Lobet; <u>C. Ruyer</u> ; E. d'Humières; M. Grech; M. Lemoine; L. Gremillet	PROBING RELATIVISTIC ASTROPHYSICAL SHOCKS BY EXTREME-INTENSITY LASERS
<u>BAP.P11</u>	<u>V.S. Karakhtanov</u>	SOME CORRECTIONS TO THE CONDUCTIVITY OF NON-DEGENERATE FULLY IONIZED NONIDEAL PLASMAS
<u>BAP.P12</u>	D. Escande; Y. Elskens; F. Doveil	UNDERSTANDING AND COMPUTING BASIC PLASMA PHYSICS EFFECTS BY N-BODY DYNAMICS
<u>BAP.P13</u>	<u>Shalini</u> ; N. S. Saini	ION-ACOUSTIC ROGUE WAVES IN MULTICOMPONENT PLASMA IN THE PRESENCE OF POSITRONS
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<u>LTP.P2</u>	M.M. Tsventoukh; G.A. Mesyats; S.A. Barengolts	VACUUM ARC EXPLOSIVE ELECTRON EMISSION CELL IGNITION AND SUSTAINMENT AT FINE-STRUCTURE SURFACE AND EXTERNAL ACTION
<u>LTP.P3</u>	H. Akatsuka; H. Kawano; K. Naoi; A. Nezu; H. Matsuura	DIFFERENCE IN ROTATIONAL TEMPERATURES BETWEEN NEUTRAL MOLECULES AND MOLECULAR IONS OF N <sub>2</sub> -O <sub>2</sub> PLASMAS OF LOW-PRESSURE MICROWAVE DISCHARGE
<u>LTP.P4</u>	Hao Tan; A. Nezu; H. Matsuura; H. Akatsuka	SPECTROSCOPIC EXAMINATION OF VIBRATIONAL AND ROTATIONAL PROPERTIES OF NO(A) METASTABLE STATE FROM NO-GAMMA BAND SPECTRA BY USING MICROWAVE DISCHARGE N <sub>2</sub> -O <sub>2</sub> MIXTURE PLASMA
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