

Plasma 2014 - Poster / Oral Papers
LASER PLASMA (LP)

No.	ID	Title	Primary Author	Tracks	Type
1	22	Particle-in-cell Simulations of Stimulated Raman Scattering in Fusion Plasmas	Mrs. YADAV, Pinki	LPT	Poster
2	24	Relativistic electron beam driven wakefield excitation in a cold plasma	Mr. BERA, Ratan Kumar	LPT	Poster
3	27	Harmonic Radiation Generation By Propagation Of Intense Laser Pulses In Plasma Embedded In An Electric field	Mr. VERMA, Nirmal Kumar	LPT	Poster
4	28	Harmonic Generation By Propagation Of Obliquely Incident Laser Beam In Underdense Plasma	Ms. AGRAWAL, Ekta	LPT	Poster
5	31	Enhancement Of Wakefield Generated By Two-Color, Short Laser Pulses Propagating In Plasma	Dr. MISHRA, Rohit Kumar	LPT	Poster
6	35	Amplitude Saturation Effects of a Laser-Driven Plasma Beat-wave on Electron Acceleration	Ms. SINGH, Mamta	LPT	Poster
7	48	Self-Focussing And Compression Of Laser Pulses In Inhomogeneous Plasma	Ms. HEMLATA, Hemlata	LPT	Poster
8	57	Thermal effects in plasma beat wave acceleration : Simulation study	Ms. PANESAR, Maninder	LPT	Poster
9	85	3D-FDTD Model for the Analysis of Laser Induced Plasmonics in Nanoparticles	Dr. C.D., Sijoy	LPT	Poster
10	99	EFFECT OF LASER ENERGY ON NANOPARTICLES PRODUCED BY LASER ABLATION OF COPPER IN DISTILLED WATER	Mr. BARUAH, Prahlad Kumar	LPE	Poster
11	104	Propagation of Cosh Gaussian Laser Beam in Relativistic-Ponderomotive Plasma Using Density Ramp	Dr. AGGARWAL, Munish	LPT	Poster
12	123	Beat Wave Excitation of Electron Plasma Wave by Cross Focusing of Intense Cosh-Gaussian Laser Beams in Plasma	Mr. NAVEEN GUPTA, Naveen	LPT	Poster
13	128	Effect Of Focusing Conditions On RF Emissions From Laser Induced Breakdown Of Air	Dr. P, Prem Kiran	LPE	Poster
14	129	Effect Of Focal Geometry On The Acoustic Shock Wave Emissions From LIB Of Atmospheric Air	Dr. P, Prem Kiran	LPE	Poster
15	132	SELF-TRAPPING OF ELECTROMAGNETIC BEAMS IN UNDERDENSE AND OVERDENSE PLASMA	Dr. SEN, Sonu	LPT	Poster
16	138	Generation of Terahertz Frequencies by Flat Top Lasers in Modulated Density Plasmas	Ms. SINGH, Divya	LPT	Poster
17	142	The effect of plasma channel on the self-distortion of laser pulse propagating through the collisionless plasma channel	Dr. SINGH, Navpreet	LPT	Poster
18	144	Production of energetic neutrals from interaction of ultra-short laser pulses with transparent solid targets	Dr. BAGCHI, Suman	LPE	Poster
19	145	Studies on proton acceleration from layered targets	Mr. TAYYAB, M.	LPE	Poster
20	152	Resonant Second Harmonic Generation In Clusters In The Presence Of Wiggler Magnetic Field	Ms. VIJ, Shivani	LPT	Poster

Plasma 2014 - Poster / Oral Papers
LASER PLASMA (LP)

21	164	Strong Terahertz Pulse Generation from Laser Wakefield in Plasmas	Dr. GUPTA, Dn	LPT	Poster
22	172	Study of THz Radiation Generation by Photo-Mixing of Two Laser Beams in a Plasma Having dc Electric Field	Mr. VARSHNEY, Prateek	LPT	Poster
23	191	Pulse Chirp Controlled Proton Acceleration from Thin Foil Targets	Dr. UPADHYAY, Ajit	LPT	Poster
24	193	Relativistic Self Focusing of Cosh-Gaussian Laser Beam in Preformed Plasma Channel	Ms. NEHPREET WALIA, Nehpreet	LPT	Poster
25	194	Effect of relativistic transparency on proton acceleration in thin foils	Dr. UPADHYAY, Ajit	LPT	Poster
26	199	Higher Harmonic Generation of Relativistically Guided q-Gaussian Laser Beam in Plasma Channel Produced by Two Prepulse Technique	Prof. ARVINDER SINGH, Arvinder	LPT	Poster
27	207	RELATIVISTIC ELECTROMAGNETIC CUSP SOLITON IN PLASMA	Ms. VERMA, Deepa	LPT	Poster
28	210	Energy Coupling During Nano And Pico Second Pulsed Laser Shock Peening Of Stainless Steel And Aluminum Surfaces	Dr. P, Prem Kiran	LPE	Poster
29	215	INFLUENCE OF SELF-GENERATED MAGNETIC FIELDS ON ELECTRON ACCELERATION IN PLASMA BY CIRCULARLY POLARIZED LASER.	Ms. JYOTI, Jyoti Rajput	LPT	Poster
30	218	Intensity enhancement of harmonic generation from plasma plume using apertured Laser Beam	Mr. KUMAR, Mukund	LPE	Poster
31	221	Temporal variation of shock wave velocity in soda-lime glass	Mr. Y.B.S.R., Prasad	LPE	Poster
32	222	Chirped pulse shadowgraphy for studying the evolution of shock wave velocity	Mr. PRASAD, Ybsr	LPE	Poster
33	227	Particle Acceleration By Whistler Pulse In High Density Quantum Plasma	Dr. KUMAR, Punit	LPT	Poster
34	228	Raman Backscattering Of Laser In Magnetized Quantum Plasma	Dr. KUMAR, Punit	LPT	Poster
35	229	Optical Guiding of Dark Hollow Laser Beam in Axially Nonuniform Collisional Plasma Channel	Ms. GAGANPREET KAUR, Gaganpreet	LPT	Poster
36	231	Classical radiation reaction effects on laser driven auto-resonant particle acceleration	Dr. SAGAR, Vikram	LPT	Poster
37	233	Study On Nitrogen Z-pinch Plasma For X-ray Lasing	Mr. BARNWAL, Shreekant	LPE	Poster
38	235	Measurement Of Gain-Coefficient Of 46.9 nm Capillary Discharge Soft X-ray Laser	Mr. BARNWAL, Shreekant	LPE	Poster
39	237	STIMULATED RAMAN AND BRILLOUIN BACKSCATTERING OF A RING RIPPLED LASER BEAM IN INTENSE LASER PLASMA INTERACTIONS	Dr. PUROHIT, Gunjan	LPT	Poster
40	250	Particle in Cell Simulation of Non-linear Evolution Filamentation Instability in Counter-streaming Relativistic Beams	Mr. SHUKLA, Chandrasekhar	LPT	Poster
41	271	External magnetic field induced instabilities in Laser-produced Plasma	Mr. BEHERA, Narayan	LPE	Poster
42	286	Dynamics of shock wave and cavitation bubble produced by laser ablation of cu in water	Mr. MONDAL, Alamgir	LPE	Poster

Plasma 2014 - Poster / Oral Papers
LASER PLASMA (LP)

43	296	Three-Temperature Non-equilibrium Radiation Hydrodynamics Study of Laser-Driven Thin Al foils	Dr. C.D., Sijoy	LPT	Poster
44	328	Development Of Numerical Models For Laser Driven Shocks In Air And Its Comparison With Experiment	Dr. P, Prem Kiran	LPT	Poster
45	358	Stimulated Brillouin scattering of the beat wave of two counter-propagating lasers in a plasma	Ms. VERMA, Kanika	LPT	Poster
46	396	TERAHERTZ RADIATION GENERATION BY THE BEATING OF TWO COSH-GAUSSIAN LASER BEAMS IN MAGNETIZED PLASMAS	Mr. SINGH, Ram Kishor	LPT	Poster
47	399	TERAHERTZ RADIATION GENERATION BY RELATIVISTIC SELF FOCUSING OF HOLLOW GAUSSIAN BEAM IN MAGNETOPLASMA	Ms. HUSSAIN, Saba	LPT	Poster
48	407	SECOND HARMONIC GENERATION OF UPPER HYBRID ELECTROMAGNETIC RADIATION FROM A PLASMA SLAB	Ms. MANPREET KAUR, Manpreet Kaur	LPT	Poster
49	409	A Comparative Study of Spatial Distribution of Plasma Parameters Along and Perpendicular to Plasma Flow Direction via Planar Langmuir Probe	Dr. KUMARI, Satchi	LPE	Poster
50	413	PERFORMANCE OF CRYSTALLINE LENS IN THE PRESENCE OF LASER INDUCED MULTIPHOTON IONIZATION	Mr. GUPTA, Pradeep Kumar	LPT	Poster
51	466	Nanosecond and Femtosecond laser Produced Aluminum Plasmas: A Comparative Study	Ms. SANKAR, Pranitha	LPE	Poster
52	483	On Pair Production With Focused Ultrafast Intense Laser Pulses: Role of Polarization	Dr. SINGH, Manoranjan	LPT	Poster
53	502	Interaction of High-Contrast, Ultrashort-pulse, High Intensity Laser with Matter: Study of Plasma Emission and Cherenkov Radiation	Dr. DEY, Indranuj	LPE	Poster
1	205	Effect of Ponderomotive and Relativistic Filamentation on Coexisting Stimulated Raman and Brillouin Scattering	Mr. VYAS, Ashish	LPT	Oral
2	349	Laser Assisted Synthesis of Silver Nanoparticles: A Green Approach	Mr. JAMES, Jemy	LPE	Oral

POSTER 53

ORAL 2