

Poster Schedule on 08/03/2025 Category CP7, CP8, CP11, CP12, CP13

S. No.	Reg. ID	Abstract Book ID	Name	Affiliation	Paper Category	Paper Title
1	155_1	CP-07-01	AJMAL ANSARI	Raja Ramanna Centre for Advanced Technology	CP7	Broadband high-harmonic generation from argon filled cell
2	333_2	CP-07-02	Ranjana Rathore	Raja Ramanna Centre for Advanced Technology	CP7	Development of broadband X-ray source based on ultra-short laser plasma interaction
3	769_1	CP-07-03	saumya singh	University of Lucknow	CP7	Simulation study of wakefield generated by two-colour asymmetric laser pulses
4	808_2	CP-07-04	DEEPAK	RRCAT, Indore(2Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai)	CP7	Dynamically assisted pair production in time-delayed pulsed fields
5	1116_1	CP-07-05	SUJEET KUMAR	UNIVERSITY OF ALLAHABAD	CP7	Two photon decay of a skew cosh-Gaussian laser in magnetized plasma embedded with nanoclusters
6	1120_1	CP-07-06	KAISAR ALI	UNIVERSITY OF ALLAHABAD	CP7	Study of nonlinear absorption phenomenon of laser beam in VA-CNT's embedded with static magnetic field
7	1155_1	CP-07-07	Anandhu Mohan	Homi Bhabha National Institute, Mumbai	CP7	A spatial approach to understand transient molecular emissions in laserinduced plasma
8	1219_1	CP-07-08	RIYA ROY	RRCAT	CP7	Exploring fast electron transport dynamics through 2D monochromatic Cu K α source imaging in high intense femtosecond laser solid interaction
9	1320_1	CP-07-09	POOJA SHARMA	UNIVERSITY OF LUCKNOW	CP7	Simulation study of tunable terahertz radiation generation by the interaction of circularly polarized laser pulses with obliquely magnetized plasma
10	1412_1	CP-07-10	Sasank Satya Gundu	University of Hyderabad	CP7	Experimental validation of analytical model to determine laser-ablation induced plasma pressure
11	1412_2	CP-07-11	Sasank Satya Gundu	University of Hyderabad	CP7	Shadowgraphic imaging of laser-ablation induced shockwaves inside BK-7 glass
12	1416_1	CP-07-12	Shagufa Ansari	Department of Physics, University of Allahabad	CP7	Second harmonic generation by nonlinear interaction of intense Laguerre-Gaussian laser in VA-CNTs
13	1417_1	CP-07-13	ANIL KUMAR	UNIVERSITY OF ALLAHABAD	CP7	Decay instability by nonlinear interaction of an X-mode laser in magnetized plasma
14	1418_1	CP-07-14	Asfiya Ansari	Nehru Gram Bharti Deemed to be University	CP7	Theoretical investigation of absorption of laser beam in CNTs
15	1466_1	CP-07-15	Dr. Prashant Kumar	Physical Research Laboratory	CP7	Design of a Thomson parabola spectrometer for detection of accelerated ions generated from intense laser plasma
16	1471_1	CP-07-16	MANISHA	DEVCHAND COLLEGE,ARJUNNAGAR,KOLHAPUR	CP7	Enhanced self-focusing of Bessel-Gaussian beam in relativistic cold quantum plasma
17	1515_1	CP-07-17	Praveen	RRCAT	CP7	Improvement of pump-probe signal using a quadrant photodiode normalization technique

18	492_1	CP-08-01	HARISH KUMAR	Raja Ramanna Centre for Advanced Technology	CP8	Development of laser-MIG hybrid welding system
19	629_1	CP-08-02	Rajiv Kumar Yadav	Raja Ramanna Centre for Advanced Technology	CP8	Design and development of an indigenous embedded system for CO2 laser assisted cutting and sealing of above atmospheric pressure tritium filled glass tube for BRIT, Mumbai
20	1210_1	CP-08-03	Arpit Kumar Singh	Indian Institute of Technology, Indore	CP8	Exploring the influence of processing parameters towards laser μ -3D printing of silicon carbide for functional applications
21	1241_1	CP-08-04	Neeraj Saini	RRCAT	CP8	Elucidating the mechanical and geometrical behaviour of L-DED built Cu-In718 bimetallic structure
22	1257_1	CP-08-05	Bittu kumar	Indian Institute of technology Indore	CP8	Optimization of laser drilling parameters for SS316 using the Taguchi method: Enhancing precision and efficiency
23	1258_1	CP-08-06	Rushikesh Mali	IIT INDORE	CP8	Experimental investigation of the effect of laser shock peening on thin wall structures fabricated using DED
24	1309_1	CP-08-07	Suresh Kumar	RRCAT	CP8	Process development for fabrication of thin-walled hemispherical dome without support structure
25	1396_1	CP-08-08	Abhishek A	National Atmospheric Research Laboratory	CP8	Incoherent polarisation laser beam combining and its application in laser radars
26	1396_2	CP-08-09	Abhishek A	National Atmospheric Research Laboratory	CP8	On specialised lasers in atmospheric laser radar applications
27	1428_1	CP-08-10	Snehal tanba wargane	VNIT, Nagpur	CP8	Impact of p-AlGa _N cladding layer thicknesses on the optical characteristics of InGa _N -based laser diodes
28	1491_1	CP-08-11	Himanshu Sen	IIT Indore	CP8	Investigation on laser cleaning of mild steel
29	1492_1	CP-08-12	Chandra Shekhar Mandloi	RRCAT	CP8	Development of a portable laser based metal 3D printer with automated operation for process demonstration
30	1495_1	CP-08-13	DINESH KUMAR SINGH	RRCAT	CP8	Autogenous welding of thick plates (~12 mm) of SS 316 LN steel using 10-kW CW laser
31	164_1	CP-11-01	Dr Ramakanta Biswal	RRCAT, Indore	CP11	Development of a fiber-Bragg-grating inscription set-up using frequency doubled ultraviolet radiation from a sealed-off copper bromide laser
32	324_1	CP-11-02	smita chaubey	RRCAT	CP11	Studies on thermal response of CO ₂ -laser written long period fiber gratings in different types of optical fibers
33	351_1	CP-11-03	vinay kumar srivastava	RRCAT	CP11	Studies on the enhancement of wavelength tuning in phase mask based fiber Bragg grating fabrication
34	353_1	CP-11-04	Ramakanta Mahakud	RRCAT	CP11	Effect of photo-induced refractive index on turn around point long period fiber grating
35	466_1	CP-11-05	Sendhil Raja S	RRCAT	CP11	Optical design for a 100 mm aperture Maksutov-Cassegrain for optical imaging and laser applications
36	630_1	CP-11-06	Amit Sur	Bhabha Atomic Research Centre	CP11	Development of all fiber laser Doppler vibrometer for displacement measurement
37	640_1	CP-11-07	DR. PRIYANKA SHARMA	RRCAT	CP11	Design and development of a fiber optic low coherence interferometer system for characterization of multi-element optical assemblies
38	928_1	CP-11-08	SUDHIR KUMAR	RRCAT	CP11	Utilization of cascaded long period grating for surrounding refractive index and temperature sensing

39	935_4	CP-11-09	Rishipal Singh	Raja Ramanna Centre for Advanced Technology, Indore	CP11	Establishment optical grinding technique for the alignment of end faces of sealed-off CO2 laser glass tube parallel to each other and perpendicular to the inner discharge tube axis
40	960_1	CP-11-10	Gaurav Yadav	RRCAT, Indore	CP11	Analysis of fiber Bragg grating based load monitoring system for cesium pencil
41	1253_1	CP-11-11	NAVEEN KUMAR	IIT INDORE	CP11	Design and development of a prototype liquid jet polishing system
42	1255_1	CP-11-12	Biswajeet Mishra	IIT Indore	CP11	Investigation of PDH and dither locking techniques for the in-house developed NPRO laser at 1064 nm with a reference cavity
43	1516_1	CP-11-13	Jai Kishore	RRCAT	CP11	Design and development of fibre Bragg grating based prototype load cell assembly for weight measurement of high level liquid waste containers
44	1521_1	CP-11-14	Suman Bagchi	RRCAT	CP11	Development of near infra-red laser-based fluorescence upconversion microscope for biological cellimaging
45	286_1	CP-12-01	Hemraj Bundel	Raja Ramanna Centre for Advanced Technology, RRCAT, Indore	CP12	Development of automation software for operation of pulsed fiber amplifier system
46	362_1	CP-12-02	sasikumarkk	Indian Space Research Organisation	CP12	Laser beam intensity stabilisation for cold atom interferometry experiments
47	396_1	CP-12-03	Ayukt Kumar Pathak	RRCAT	CP12	Development of software for characterizing laser cooled atoms using opensource libraries
48	763_1	CP-12-04	Dharmendra Kumar	Raja Ramanna Centre for Advanced Technology, Indore	CP12	Development of a multi-function three-channel RF power amplifier exciter for CO2 laser systems
49	1283_1	CP-12-05	Ashok Kumar Sahoo	RRCAT	CP12	Real-time remote monitoring and control of Raman optical fiber distributed temperature sensors using MODBUS TCP protocol
50	1303_2	CP-12-06	Mandar Joshi	Bhabha Atomic Research Centre	CP12	Design and development of hyperspectral camera
51	1465_1	CP-12-07	Dr Anjitha Viswanath	ISRO Inertial Systems Unit	CP12	Experimental set-up and simulation analysis of optical phase lock loop for cold atom interferometry applications
52	1483_1	CP-12-08	SUNIL KUMAR	RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY	CP12	Design and development of FPGA based data acquisition and processing module for a table-top multi-element optical assembly characterization system
53	1484_1	CP-12-09	ABHISHEK SINGH	RRCAT, DAE, Indore	CP12	A proposal for development of a compact FPGA based electronic controller for cold atom experiments
54	1512_1	CP-12-10	M L Sharma	Raja Ramanna Centre for Advanced Technology, Indore 452013, M.P., India	CP12	Micro-strip line based sub-nanosecond switching circuit for Pockels cell driver
55	242_1	CP-13-01	Sunita Ahlawat	Raja Ramanna Centre for Advanced Technology	CP13	Two-way normalization of LIBS data for improved machine learning based classification of steel samples
56	276_1	CP-13-02	Hitendra Singh Chouhan	RRCAT, Indore	CP13	Machine learning based system for verification of flash-lamp current profiles in high energy laser chains
57	447_2	CP-13-03	Dr. R. C. Das	BARC	CP13	Development of a web based tool for LIBS data analysis
58	565_1	CP-13-04	Aishwary Awasthi	University of Allahabad	CP13	Exploring the potential of confocal micro-Raman spectroscopy combined with machine learning algorithms to detect biochemical alterations in mung seedlings exposed to zinc oxide nanoparticles

59	857_1	CP-13-05	Akash Kumar Tarai	Department of Physical Sciences, Indian Institute of Science Education and Research (IISER) Berhampur, Berhampur, Odisha 760003, India	CP13	Deep neural networks for wavefront sensing with the Shack-Hartmann
60	1156_1	CP-13-06	Anannya Banerjee	Bhabha Atomic Research Centre	CP13	PCA coupled LIBS-experimental and statistical approach towards nuclear forensics study: for origin identification of yellow cakes
61	1292_1	CP-13-07	Siddharth Pal	Raja Ramanna Centre for Advanced Technology	CP13	Deep learning classification of tissues based on endogenous fluorophore photobleaching kinetics
62	1444_1	CP-13-08	Vijay Kumar	National Institute of Technology Warangal	CP13	Speckle-based OAM multicasting using 1D speckle information
63	1499_1	CP-13-09	Amal Jogya	SRM	CP13	Development of deep learning technique for power supply anomaly detection in complex laser and accelerator systems
64	271_2	CP-01-05	Dheeraj Kumar Singh	BARC	CP1	Optimization of the pulsar circuit of copper vapor laser
65	1508_1	CP-01-29	Rajasree Vijayan	Bhabha Atomic Research Centre	CP1	Comparison of jitter in the pulsar circuit of copper vapor laser with different DC supplies
66	1307_1	CP-06-15	G K MISHRA	RRCAT	CP6	Studies on mechanical and electro-chemical properties of LDED built SS 316 LN steel