

Christmas High Power Laser Science Community Meeting 15 - 17 December 2010

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1	Hamad	Ahmed	Laser excited shock waves in tenuous plasma
2	Maria Pia	Anania	The ALPHA-X beam line: toward a compact FEL
3	Svetoslav	Bajlekov	Coherent optical transition radiation from laser-accelerated electrons
4	Stefan	Bedacht	Cryogenic Targets for Laser and Particle Beams
5	Louise	Belshaw	Femtosecond Ionisation and Mass Analysis of Trapped Molecules
6	Christopher	Brady	Electric field generation at material interfaces in short pulse laser illuminated targets
7	David	Carroll	New Regimes of Laser Absorption in Long Density Scale Length Plasmas
8	Prashant Kumar	Chauhan	PIC modeling of fast electron and ion generation in laser channels for fast ignition
9	Silvia	Cipiccia	Betatron radiation produced by a laser plasma accelerator
10	Donald	Edie	Quantum Simulations of Fusion Alpha Heating in Dense Hydrogen
11	Stephen	Flood	Variational Principles for non-linear Electrodynamics
12	Marco	Galimberti	The 10PW Project
13	Diego	Garcia Florez	Laser plasma particle accelerators
14	David	Grant	Laser Wakefield Accelerators As Drivers For Free Electron Laser
15	Ed	Higson	The Role of Phase Front Deformation in Laser Filamentation in Plasma
16	Orla	Kelly	Studying Femtosecond Ionisation and Fragmentation: A New Analysis Technique
17	Yevgen	Kravets	Photon acceleration and relativistic self focusing in plasma
18	Alistair	Lawrence-Douglas	Field Ionisation Models in EPOCH
19	Mikako	Makita	Emission spectroscopy analysis for directly & indirectly irradiated targets
20	Paul	Mason	DIPOLE - Diode Pumped Cryogenic Yb-Doped Ceramic YAG Amplifier for Ultra-High Intensity Applications
21	Matthew	McCormack	Establishing Equivalence of Transport Equations and Conservation Laws
22	Anthony	Meadowcroft	Prediction of bremsstrahlung doses for short-pulse laser-target interactions
23	Lee	Morgan	ICF TRITIUM BREEDING
24	Ian	Musgrave	Contrast Improvement of the Vulcan PW Laser Facility using a high-energy seed
25	Adam	Noble	Radiation reaction effects in plasma
26	Siddharth	Patankar	Proton Diagnostics on the Magpie Z-Pinch
27	Kristjan	Poder	Astra Gemini Interaction Area Improvements
28	Rajendra	Prasad	Ion acceleration from thin solid target using ultra intense ultra short Gemini Laser pulses
29	Merfat	Raddadi	Volkov states and the Volkov propagator (with Poonam Sharma).
30	Ayesha	Rehman	Optical probing of plasmas produced in Vulcan-PW gas interaction
31	David	Riley	X-ray scattering from Warm Dense Aluminium
32	Andrew	Rossall	Suprathermal Electron Generation at Modest Laser Intensity and Temperature Measurement using Inversion Layer Silicon Diodes
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34	Dhananjay	Singh	PIC Simulation of Laser Channeling in the Corona of HIPER Baseline Target
35	Nathan Martin	Sircombe Ramsay	Collision operators for short-pulse LPI modelling
36	Anna	Subiel	The Application of Radiation and Particle Beams from Laser Plasma Accelerators to Oncology
37	Arthur	Turrell	Nuclear Burn in Inertial Confinement Fusion
38	Hugo	van der Hart	Time-dependent R-matrix theory for general atoms in strong laser fields
39	Haibao	Wen	Wavebreaking Limit of Born-Infeld Plasma in a Constant External Magnetic Field
40	Steven	White	X-ray scattering from warm dense matter
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43	Brennig	Williams	VFP simulations including ionization dynamics
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53	Marco	Siano	Velocity-map imaging experiments on Artemis
54	Will	Bryan	Controlled redistribution of vibrational population in a diatomic molecule by nonresonant strong-field pulses
55	Will	Bryan	Single-order XUV photon absorption probed by ionization of atomic satellite states
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57	Dafydd	Johns	Gas jet characterisation for short scale length interaction studies
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59	Sam	Serra	New capabilities at RAL Target Fabrication for High Power Laser Targets
60	Donna	Wyatt	Advanced Geometry Thin Walled Structures for High Power Laser Experiments
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62	Ian	East	Production of Micro-bump Targets for High Power Laser Experiments