Shu Li, Ke Lan, and Jie Liu	731	Study on size of laser entrance hole shield for ignition octahedral spherical hohlraums	
RAM KISHOR SINGH AND R.P. SHARMA	741	Terahertz radiation by self-focused amplitude-modulated Gaussian laser beam in magnetized ripple density plasma	
G.E. Kholodnaya, R.V. Sazonov, D.V. Ponomarev, G.E. Remnev, and A.A. Vikanov	749	Influence of current – conducting inserts in a drift tube on transportation of a pulsed electron beam at gigawatt power	
Prerana Sharma	755	Relativistic-ponderomotive effects on cross-focusing of hollow Gaussian laser beams in plasma	
Huan Wang, Lihua Cao, and X.T. He	765	Collimated proton beams by ultra-short, ultra-intense laser pulse interaction with a foil-ramparts target	
	773	Erratum	

LASER AND PARTICLE BEAMS

Pulse Power, High Energy Densities, Hot Dense Matter, and Warm Dense Matter

Volume 33

December 2015

Number 4

CONTENTS

S. Kawata, K. Noguchi, T. Suzuki, T. Karino, D. Barada, A.I. Ogoyski, and Y.Y. Ma	591	Uniformity of fuel target implosion in heavy ion fusion
J. Krása, D. Delle Side, E. Giuffreda, and V. Nassisi	601	Characteristics of target polarization by laser ablation
HEINRICH HORA, GEORG KORN, LORENZO GIUFFRIDA, DANIELE MARGARONE, ANTONINO PICCIOTTO, JOSEF KRASA, KAREL JUNGWIRTH, JIRI ULLSCHMIED, PARASKEVAS LALOUSIS, SHALOM ELIEZER, GEORGE H. MILEY, STAVROS MOUSTAIZIS, AND GÉRARD MOUROU	607	Fusion energy using avalanche increased boron reactions for block-ignition by ultrahigh power picosecond laser pulses
ARVINDER SINGH AND NAVEEN GUPTA	621	Beat wave excitation of electron plasma wave by coaxial cosh-Gaussian laser beams in collisional plasma
Yu.A. Andreev, A.M. Efremov, V.I. Koshelev, B.M. Kovalchuk, V.V. Plisko, K.N. Sukhushin, and M.Yu. Zorkaltseva	633	Radiation of high-power ultrawideband pulses with elliptical polarization by four-element array of cylindrical helical antennas
Deepika Goel, Prashant Chauhan, Anshu Varshney, D.B. Singh, and Vivek Sajal	641	Stimulated compton scattering of surface plasma wave excited over metallic surface by a laser
H. Mehdian, A. Kargarian, A. Hasanbeigi, and K. Hajisharifi	647	A relativistic PIC model of nonlinear laser absorption in a finite-size plasma with arbitrary mass and density ratios
N.N. Demchenko, I.Ya. Doskoch, S.Yu. Gus'kov, P.A. Kuchugov, V.B. Rozanov, R.V. Stepanov, G.A. Vergunova, R.A. Yakhin, and N.V. Zmitrenko	655	Irradiation asymmetry effects on the direct drive targets compression for the megajoule laser facility
S. HÜLLER AND A. PORZIO	667	Weibull-type speckle distributions as a result of saturation in stimulated scattering processes
Kotaro Kondo, Tomohiro Yokozuka, and Yoshiyuki Oguri	679	Well-defined atomic hydrogen target driven by electromagnetic shock wave for stopping power measurement
Eran Nardi, Zeev Zinamon, and Yitzhak Maron	685	$K\alpha$ emission and secondary electrons in femtosecond laser target interactions
D. Jung, B.J. Albright, L. Yin, D.C. Gautier, B. Dromey, R. Shah, S. Palaniyappan, S. Letzring, HC. Wu, T. Shimada, R.P. Johnson, D. Habs, M. Roth, J.C. Fernández, and B.M. Hegelich	695	Scaling of ion energies in the relativistic-induced transparency regime
A.R. Niknam, S. Barzegar, B. Bokaei, F. Haji Mirzaei, and A. Aliakbari	705	Collisional effects on the modulational instability of intense laser pulses in magnetoactive plasmas
Farhad Bakhtiari, Masoud Yousefi, Shole Golmohammady, Seyed Masoud Jazayeri, and Bijan Ghafary	713	Generation of terahertz radiation by beating of two circular flat-topped laser beams in collisional plasma
D. Bennaceur-Doumaz, D. Bara, and M. Djebli	723	Self-similar two-electron temperature plasma expansion into vacuum

Cambridge Journals Online
For further information about this journal please
go to the journal website at:
journals.cambridge.org/lpb

