

Reviews

- Theory of Light Sail Acceleration by Intense Lasers: an Overview *Andrea Macchi* 10.1017/hpl.2014.13
- Overview of HiLASE project: High average power pulsed DPSSL systems for research and industry *M. Divoky, M. Smrz, M. Chyla, P. Sikocinski, P. Severova, O. Novak, J. Huynh, S.S. Nagisetty, T. Miura, J. Pilar, O. Slezak, M. Sawicka, V. Jambunathan, J. Vanda, A. Endo, A. Lucianetti, D. Rostohar, P.D. Mason, P.J. Phillips, K. Ertel, S. Banerjee, C. Hernandez-Gomez, J.L. Collier, and T. Mocek* 10.1017/hpl.2014.16

Regular Articles

- Irradiation uniformity at the Laser MegaJoule facility in the context of the shock ignition scheme *Mauro Temporal, Benoit Canaud, Warren J. Garbett, Rafael Ramis, and Stefan Weber* 10.1017/hpl.2014.12
- Coherent X-ray mirage. Discovery and possible applications *Anatoly, Faenov (contact); Tatiana Pikuz, Anatoly Faenov, Sergey Magnitskiy, Nikolay Nagorskiy, Momoko Tanaka, Masahiko Ishino, Masaharu Nishikino, Yuji Fukuda, Masaki Kando, Yoshiaki Kato, and Tetsuya Kawachi* 10.1017/hpl.2014.14
- Design of kJ-class HiLASE laser as a driver for Inertial Fusion Energy *Antonio Lucianetti, Magdalena Sawicka, Ondrej Slezak, Martin Divoky, Jan Pilar, Venkatesan Jambunathan, Stefano Bonora, Roman Antipenkov, and Tomas Mocek* 10.1017/hpl.2014.15
- Splicing technology of Ti:sapphire a crystal for high-energy chirped pulse amplifier laser *Yanqi Liu, Yuxin Leng, Xiaoming Lu, Yi Xu, and Cheng Wang* 10.1017/hpl.2014.11
- Ion Motion Effects on the Generation of Short-cycle Relativistic Laser Pulse during Radiation Pressure Acceleration *W. P. Wang, X. M. Zhang, X. F. Wang, X. Y. Zhao, J. C. Xu, Y. H. Yu, L. Q. Yi, Y. Shi, L. G. Zhang, T. J. Xu, C. Liu, Z. K. Pei, and B. F. Shen* 10.1017/hpl.2014.10
- Density measurements of laser interaction with ordered structured snowtargets *E. Schleifer, M. Botton, E. Nahum, S. Eisenman, A. Zigler, and Z. Henis* 10.1017/hpl.2014.19