

Abstract Submitted
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Short pulse laser coupling efficiency to hot electrons for fast-ignition studies.¹ A.G. MACPHEE, C.D. CHEN², D. HEY³, I. JOVANOVIĆ, M.H. KEY, T.W. PHILLIPS, A.J. MACKINNON, Lawrence Livermore National Laboratory, Livermore CA 94550, R. CLARKE, CCLRC Rutherford Appleton Laboratory, Oxfordshire, UK, K. AKLI, D. OFFERMANN, A. LINK, V. OVCHINIKOV, L. VAN WOERKOM, R. FREEMAN, College of Mathematical and Physical Sciences, The Ohio State University, Columbus, OH, J. PASLEY, M. WEI, T.Y. MA, J. KING, F.N. BEG, Department of Mechanical and Aerospace Engineering, University of California-San Diego, La Jolla, CA, R.B. STEPHENS, General Atomics, San Diego, CA — Experiments were performed at the Titan laser facility at LLNL to study energy coupling efficiency to hot electrons as a function of irradiation conditions and target geometry. Hot electron spectra from cone and slab targets are compared and correlation with their K shell emission spectra is examined.

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