

H.

Cold finge

2x20 um slit

ligh-pow

Lase

LASER-DRIVEN ION ACCELERATION FROM CRYOGENIC LOW-Z JETS

C. B. Curry^{1,2}, M. Gauthier¹, R. Mishra¹, S. Goede^{1,3}, B. Aurand⁴, F. Brack⁵, J. Chou^{1,8}, T. Cowan⁵, R. Gebhardt⁵, E. Galtier¹, G. D. Glenn^{1,7}, C. Goyon⁸, A. Grassi¹, A. Hazi⁸, U. Helbig⁵, S. Kerr^{2,8}, J. B. Kim¹, S. Kuschel⁹, D. Hollatz⁹, M. Macdonald^{1,8}, E. McCary⁷, J. Metzkes⁵, B. Ofori-Okai¹, L. Obst⁵, A. E. Pak⁸, A. Propp¹, B. Ramakrishna¹⁰, M. Rehwald⁵, C. Roedel^{1,9}, R. Roycroft⁷, J. Ruby⁸, C. Ruyer¹, W. Schumaker¹, C. Schoenwaelder^{1,11}, U. Schramm⁵, H.-P. Schlenvoigt⁵, P. Sommer⁵, Y. Y. Tsui², O. Willi⁴, G. J. Williams⁸, K. Zeil⁵, B. M. Hegelich^{7,12}, F. Fiuza¹, S. H. Glenzer¹

⁵Helmholtz-Zentrum Dresden-Rossendorf, ^ePhysics Department, Stanford University, ⁷Center for High Energy Density Science, University of Texas at Austin, ⁸Lawrence Livermore National Laboratory, ⁹Friedrich-Schiller-University Jena, ¹⁹Indian Institute of Science Education and Research, ¹¹Erlangen Centre for Astroparticle Physics, ¹²CoReLS, Institute for Basic Science (IBS)



Acknowledgements

partial support from the Natural Sciences and Engineering Research Council of Canada (NSERC) - PGS-D Scholarship.