

Abstract Submitted
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University of Michigan Target Fabrication Facility for High Energy Density Physics Experiments C. KRAULAND, R.P. DRAKE, C.C. KURANZ, A.B. REIGHARD, M.J. GROSSKOPF, T.L. DONAJKOWSKI, D.C. MARION, University of Michigan — An overview of University of Michigan's target fabrication facility will be presented. Our group constructs targets that are well scaled to astrophysical phenomena to be used at the Omega Laser Facility. These targets are used in experiments studying the Rayleigh-Taylor instability, radiatively collapsing shocks and Thomson scattering. This facility is constantly working to improve our designs and methodologies so that a wider variety of precision targets can be built for increasingly complex High Energy Physics experiments. This research was sponsored by the National Nuclear Security Administration under the Stewardship Science Academic Alliance through DOE Grant DE-FG52-03NA00064, and DE FG53 2005 NA26014.

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