

Abstract Submitted
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High-energy-density Targets Fabricated by The University of Michigan¹ SALLEE KLEIN, ROBB GILLESPIE, CAROLYN KURANZ, R PAUL DRAKE, Univ of Michigan - Ann Arbor — The Center for Laboratory Astrophysics at the University of Michigan is unique among universities in that we have been fabricating targets for high-energy-density physics experiments for well over the past decade. We utilize the process of machined bodies of various materials and tightly toleranced mating components that serve as constraints, enabling our group to build precise, repeatable targets. We favor traditional machining, utilizing 3D printing when it suits, taking advantage of the very best part of both of these methods of creating precision parts for our targets. In addition to building targets for our group, we serve the greater HEDP community by building targets and providing shotday support for LaserNetUS users and National Laboratory PIs as well. Here we present several campaigns shot at OMEGA and several other facilities around the world.

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Sallee Klein
Univ of Michigan - Ann Arbor

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