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Laser-Plasma Acceleration Driven Electron Radiography of High Energy Density Materials on the OMEGA-EP Laser

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Contact and projection electron radiography using a laser-plasma electron accelerator driven by the OMEGA-EP laser are shown for static targets. Initial electron radiographs of laser-driven foils are shown along with a discussion of future experiments and applications. This material is based upon work supported by the Department of Energy National Nuclear Security Administration under Award Number DE-NA0003856 and the U.S. Department of Energy under Awards DE-SC00215057.

Acknowledgments

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