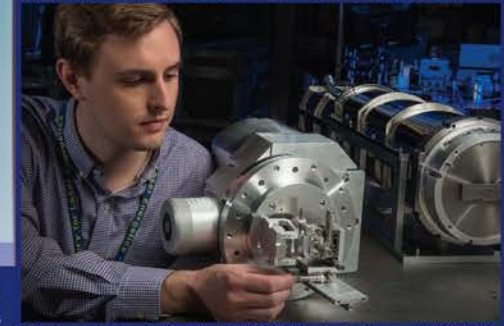


Dr. Stillman at the target chamber of the Multi-Terawatt (MTW) laser



This image is described on the LLE Quick Shot web site, posted 07/23/18

Dr. Collin Stillman graduated from the University of Rochester's Department of Physics and Astronomy in 2018. He began doctoral studies in 2013 where he was supported by a prestigious Department of Energy National Nuclear Security Administration Stewardship Science Graduate Fellowship. He graduated with a B.S. in physics, summa cum laude, from the State University of New York at Geneseo. His research in high-energy-density physics was performed as part of the Plasma & Ultrafast Physics Group at the Laboratory for Laser Energetics under the direction of Dr. Philip Nilson and Dr. Dustin Froula.

Dr. Stillman's thesis work, "Ultrafast X-ray Spectroscopy of Hot Dense Matter Systems," provided new experimental insight to the creation and measurement of unique high-energy-density systems and demonstrated their use for sensitive atomic properties studies in extreme conditions [C. R. Stillman et al., Phys. Rev. E, 97, 063208 (2018)]. The instantaneous bulk plasma conditions were inferred using picosecond time-resolved measurements of the He-alpha spectral line emission from buried tracer layers [C. R. Stillman et al., Phys. Rev. E 95, 063204 (2017)].



Dr. Stillman with his technical advisor, Philip Nilson



Dave Brooks, Sue Brooks, Katie Brooks Stillman, Collin Stillman, Erika Stillman, Gary Stillman



Steve Ivancic, Philip Franke, Andy Davies, Philip Nilson, Collin Stillman, Dustin Froula, Robert Henchen, Avram Milder, Aaron Hansen, Joe Katz, David Turnbull

Thesis Defense

Dr. Collin Stillman

30 May 2018

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by eugene kowalik