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Interactions of Shape Charge Jets with Energetic Materials J.D. MOLITORIS, R.G. GARZA, H.G. ANDRESKI, J.D. BATTEUX, Energetic Materials Center, Lawrence Livermore National Laboratory, LLNL HEAF TEAM — In this research high resolution radiography was used to image the interaction between a shape charge produced jet and an energetic material target. The target material used here was cast Composition B. The image data details shock interactions and deflagration initiated by the jet. As the diagnostic recorded up to four images in time sequence, the evolution of these interactions could be studied. Void structure in the target due to the casting process complicated the interaction. This work was performed under the auspices of the U. S. Department of Energy by the Lawrence Livermore National Laboratory under contract No. W-7405-ENG-48.

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