

Abstract Submitted  
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**Investigation of Ejecta Production in Tin using Plate Impact Experiments**<sup>1</sup> P.A. RIGG, W.W. ANDERSON, W.T. BUTTLER, R.T. OLSON, R.S. HIXSON, D.D. KOLLER, LANL, LOS ALAMOS NATIONAL LABORATORY COLLABORATION — Experiments to investigate ejecta production in shocked tin have been performed using plate impact facilities at Los Alamos National Laboratory. Three primary diagnostics – piezoelectric pins, Asay foils, and low energy x-ray radiography – were fielded simultaneously in an attempt to quantify the amount of ejecta produced in tin as the shock wave breaks out of the free surface. Results will be presented comparing and contrasting all three diagnostics methods. Advantages and disadvantages of each method will be discussed.

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