

Abstract Submitted
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PHELIX Crenulation-1 at pRad Experiment CHRISTOPHER ROUSCULP, Los Alamos National Laboratory — The first PHELIX driven Crenulation experiment was fielded at the LANL LANSCE proton radiography (pRad) facility in Dec 2015. This was the first time a thin-walled tin cylinder with single-mode perturbations was shocked to melt-on-release ($P > 35$ kbar) in converging geometry. The perturbation inversion and growth due to the Richtmyer-Meshkov Instability (RMI) is diagnosed in a 21 image pRad movie. The motivation, design, preliminary data and calculations will be discussed.

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