

Abstract Submitted  
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**Impact parameter dependence of intermediate-mass fragment formation in Ca+Sn heavy-ion reactions at 45 AMeV<sup>1</sup>** MICHAEL QUINLAN, IWONA PAWELCZAK, HARDEV SINGH, JAN TOKE, UDO SCHRODER, University of Rochester, CHIMERA COLLABORATION — Charged products produced in collisions of Ca and Sn at 45 AMeV were measured by the CHIMERA multi-detector. The kinematical relationships between the reaction products were analyzed. Events consistent with the binary split of the PLF were examined and found to show characteristics consistent with a non-equilibrium formation mechanism. In particular, two distinct event classes were found and appear to be sensitive to the centrality of the collision. A comparison of the data with a number of reaction models will be discussed.

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