

Abstract Submitted  
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**A Gallium Multiphase Equation of State** SCOTT CROCKETT, Los Alamos National Laboratory, CARL GREEFF — A new SESAME multiphase gallium equation of state (EOS) has been developed. The equation of state includes two of the solid phases (Ga I, Ga III) and a fluid phase. The EOS includes consistent latent heat between the phases. We compare the results to the liquid Hugoniot data. We will also explore refreezing via isentropic release and compression.

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