

Abstract Submitted
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Multiphase equation of state of beryllium JOSHUA COE, SVEN RUDIN, BORIS MAIOROV, Los Alamos National Lab — We will present a new Sesame equation of state (EOS) for beryllium comprising the hcp, bcc, and liquid/plasma phases. The EOS was calibrated based on a combination of first principles calculations and a wide variety of experimental data. After reviewing the correspondence between theory and experiment for the ambient phase, we will discuss phase boundaries and the location of the triple point relative to the principal Hugoniot.

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