

Abstract Submitted
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Multiphase Uranium EOS SCOTT CROCKETT, Los Alamos National Lab, CARL GREEFF, JOHN WILLS, JONATHAN BOETTGER — We present the results of an empirically derived multiphase Uranium equation of state. The equation of state includes the orthorhombic, bcc and fluid phases. The effects of phase transitions (Clausius-Claperon, volume changes, specific heats) are treated self-consistently. We will also present comparisons of the equation of state to electronic structure results.

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