



Contribution ID: 2

Type: Oral

Equation of state for strong compression

Thursday, 26 April 2018 11:15 (30 minutes)

An equations of state for solids is formulated with the correct behavior at very under strong compression and for wide ranges of temperature at first for “regular” solid. Modifications for solid with electronic configuration crossing are discussed and the formulation of a coherent equation of state for the fluid phase is illustrated for argon and water under very strong compression.

Primary author: Prof. HOLZAPFEL, Wilfried B. (Department of Physics University Paderborn)

Presenter: Prof. HOLZAPFEL, Wilfried B. (Department of Physics University Paderborn)

Session Classification: Mat Science Week

Track Classification: MAT User Collaboration Meeting and Material Science at the Future FAIR Facility