

Abstract Submitted
for the SHOCK17 Meeting of
The American Physical Society

Laser shock compression experiments on precompressed water in “SG-II” laser facility. HUA SHU, XIUGUANG HUANG, JUNJIAN YE, SIZU FU, shanghai institute of laser plasma — Laser shock compression experiments on precompressed samples offer the possibility to obtain new hugoniot data over a significantly broader range of density-temperature phase than was previously achievable. This technique was developed in “SG-II” laser facility. Hugoniot data were obtained for water in 300 GPa pressure range by laser-driven shock compression of samples statically precompressed in diamond-anvil cells.

Hua Shu
shanghai institute of laser plasma

Date submitted: 28 Feb 2017

Electronic form version 1.4