Abstract Submitted
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Isentropic Compression of Hydrogen Isotopes Crystal Phase up to 5 Mbar with Ultra-High Magnetic Field Pressure[1] ALEXANDER BYKOV, G. BORISKOV, N. EGOROV, M. DOLOTENKO, YU. KUROPATKIN, N. LUKYANOV, V. MIRONENKO, S. BELOV, V. BELYASHKIN, M. LOMONOSOV, Russian Federal Nuclear Center - VNIIEF — A device for isentropic compression of condensed hydrogen isotopes with an ultra-high magnetic field pressure of a MC-1 generator is described in the paper. Experimental results of hydrogen and deuterium compression at initial temperature of $\leq$7K and their comparison with P-ρ diagram that extrapolates compression results on diamond anvils are presented.

[1]The work was performed in the frameworks of the ISTC project # 2564.

Alexander Bykov
Russian Federal Nuclear Center - VNIIEF

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