## Results of numerical modeling of quasi-isentropic compression of xenon to a density of 17 g/cm<sup>3</sup> with registration by pulsed protonography.

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Numerical modeling of xenon compression in a small-sized spherical device developed at RFNC-VNIIEF was performed. The shape of the compressed gas was compared with images obtained using pulse protonography. The calculated maximum pressure of xenon, corresponding to the experimentally recorded density  $\rho = 17.3 \pm 1.1 \text{ g/cm}^3$ , was  $P = 770 \pm 40 \text{ GPa}$ .