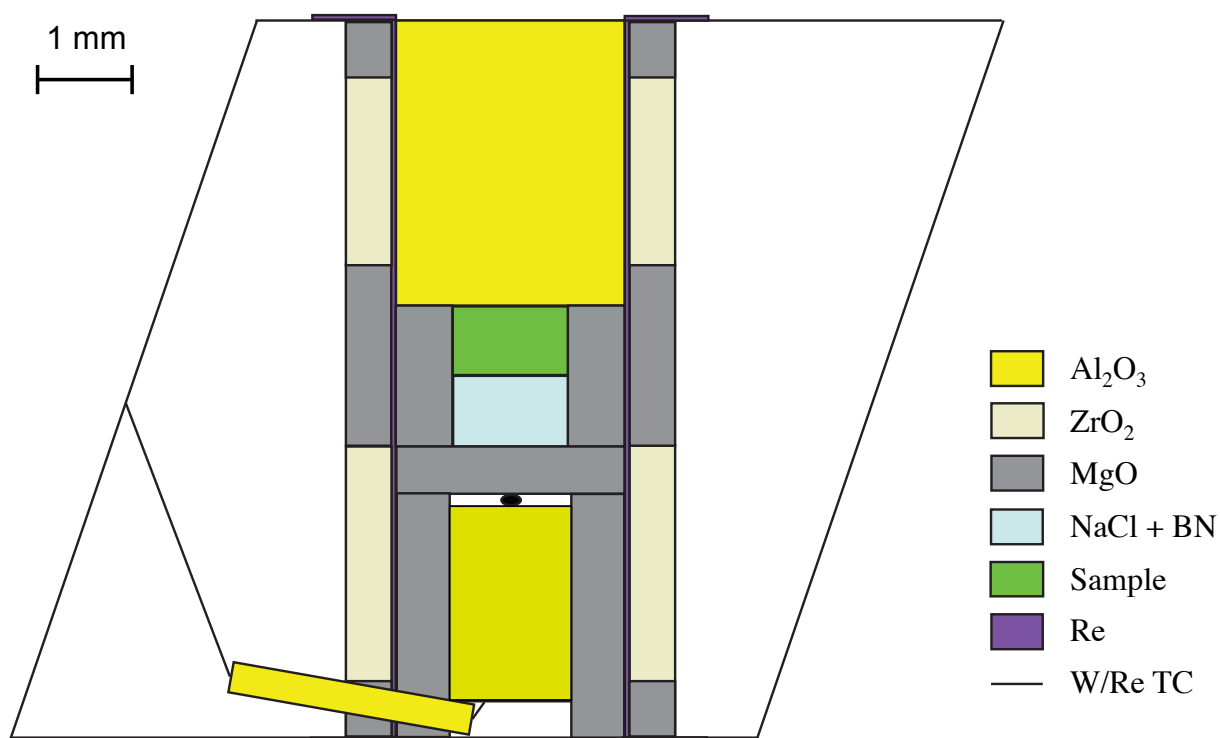


Elastic wave velocities in polycrystalline $\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$ -pyrope garnet to 24 GPa and 1300K

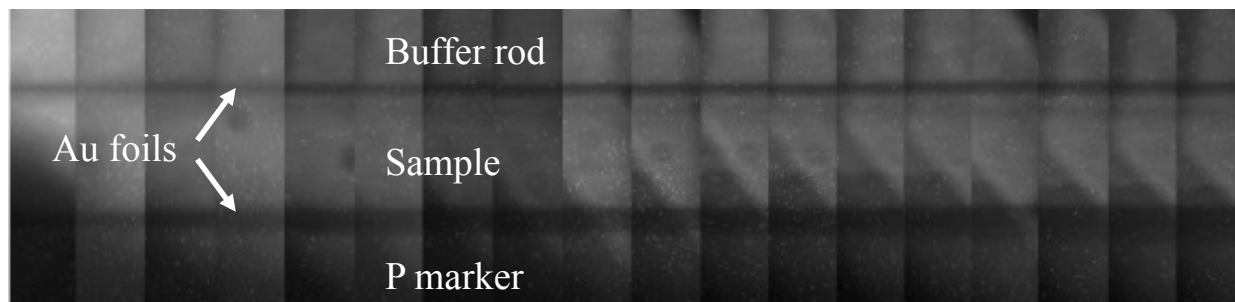
Julien Chantel, Geeth M. Manthilake, Daniel J. Frost, Christopher Beyer, Tiziana Boffa Ballaran, Zhicheng Jing, and Yanbin Wang

Supplementary Figure 1



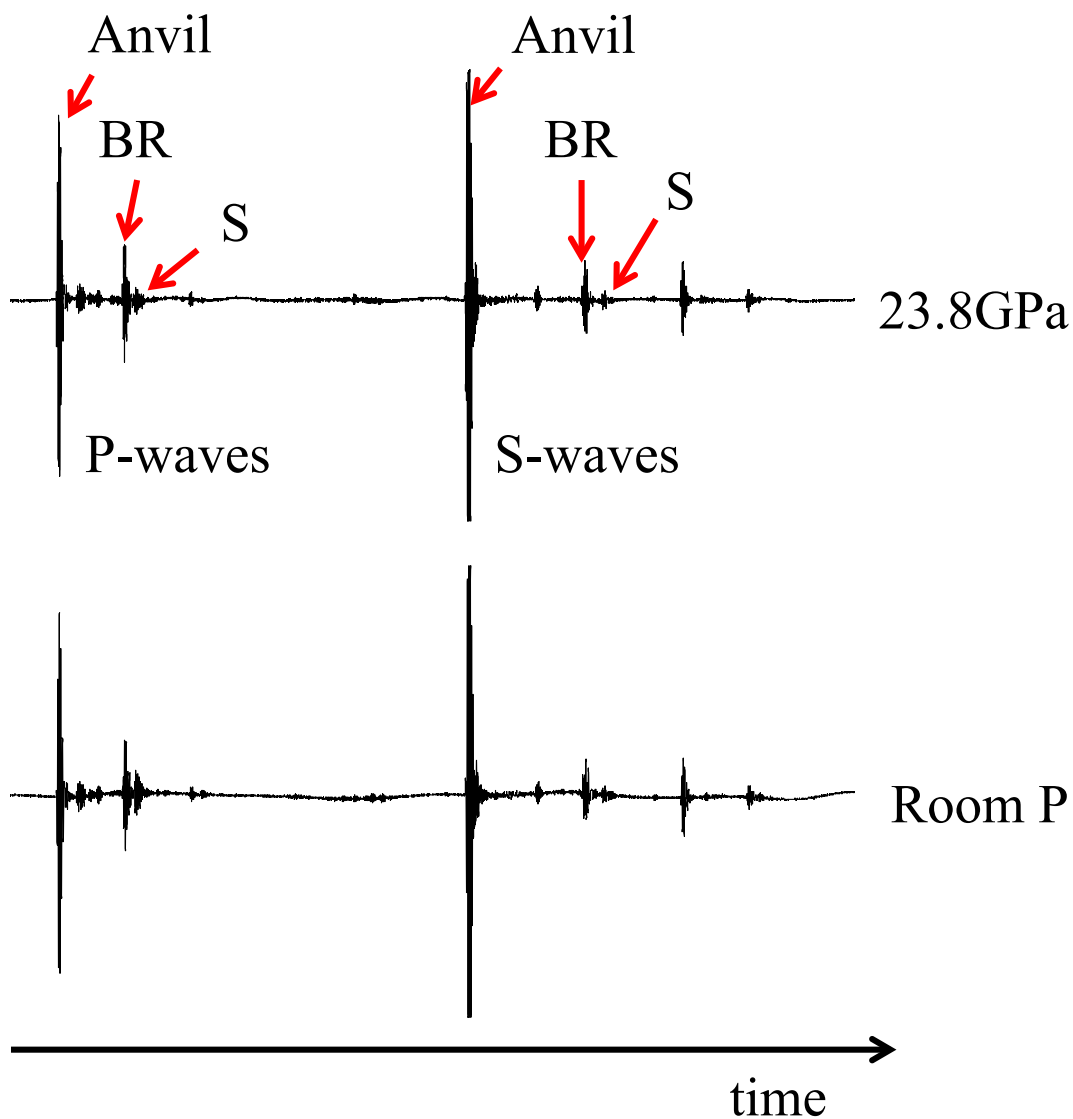
SUPPLEMENTARY FIGURE 1. Schematic cross section of the 10mm multi-anvil cell assembly used for the ultrasonic measurement experiments.

Supplementary Figure 2



SUPPLEMENTARY FIGURE 2. X-ray images of a sample recorded up to the maximum pressure of 23.8 GPa, according to the Au pressure scale, and at various temperatures during the heating cycle up to 1300K. From the bottom: Al₂O₃ buffer rod, Au foil, sample, Au foil and NaCl. Inclined dark shadows are caused by the opaque WC anvils.

Supplementary Figure 3



SUPPLEMENTARY FIGURE 3. MHz - pulse echoes from ultrasonic experiments performed at high and low pressures.