

K131-009

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Sound velocity measurements for water at high pressures using Brillouin scattering technique combined with infrared laser and XRD

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Water is one of the most important constituents of Earth. The equation of state of water is important to know the nature of hydrous magma or fluid in the deep Earth interior.

We will report the result of sound velocity measurements for water at high pressure and high temperature using Brillouin scattering technique combined with infrared laser heating diamond anvil cell and XRD at SPring-8.