

Superconductivity in ZrB_{12} under High Pressure

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We use high-pressure, anti-wear hydraulic oil here to provide the pressure of a 6×600 t a high-pressure machine. The internal diagram of the six-sided press is shown in Figure S1. The 6×600 t high-pressure machine uses high-pressure, anti-wear hydraulic oil to produce high pressure. The 6×600 t high-pressure machine mainly uses the principle of the characteristic of liquid pressure transfer to achieve the purpose of producing high pressure with low hydraulic oil pressure.

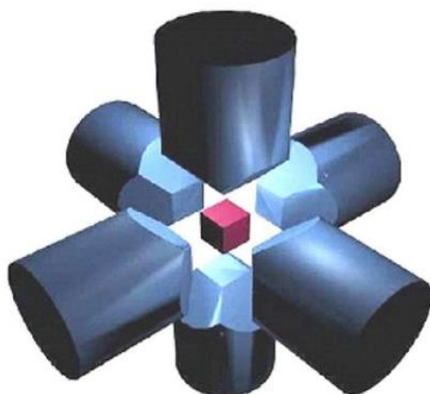


Figure S1. The internal diagram of the 6×600 t high-pressure machine.

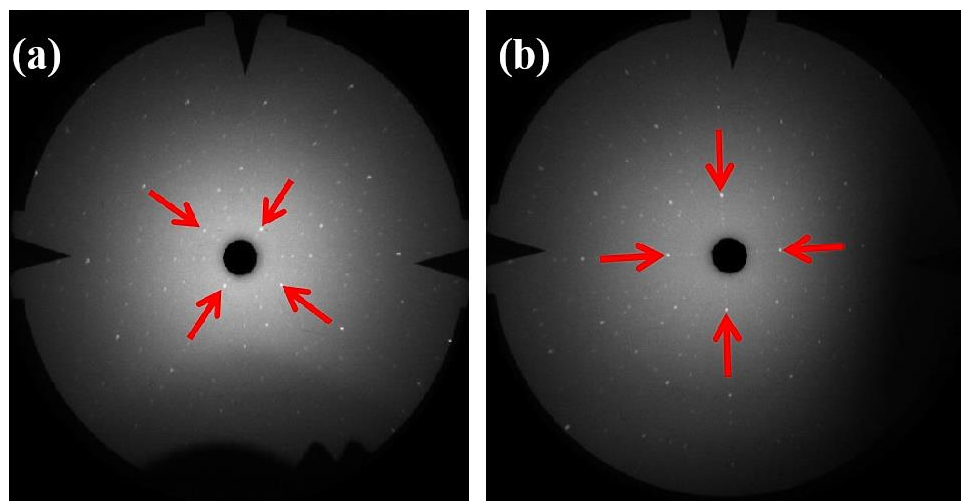


Figure S2. Laue diffraction of (a) [110] and (b) [100] orientation.

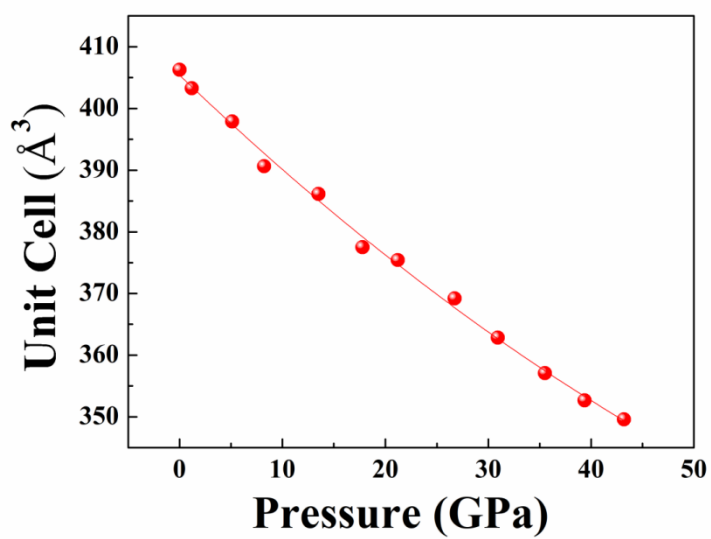


Figure S3. The pressure–volume data for ZrB_{12} and equation of state analysis.