



FIGURE 1 Schematic of a diamond anvil cell. The sample is between the diamonds, within a hole in the gasket (sample chamber). Synchrotron X-rays coming from the right are diffracted by the sample, and the diffracted X-rays are used for determining the sample volume and density. A green laser beam for a light-scattering experiment enters from the left and passes through the transparent diamonds. A wire resistance heater is shown for high-T-P measurements. A laser beam for heating the sample could be used as well. AFTER SINOGEIKIN ET AL. (2006)