

Abstract Submitted
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High pressure melting of Tellurium RAN SALEM, NRCN, SHLOMI MATITYAHO, Ben Gurion University, ORI NOKED, AVIVA MELCHIOR, ERAN STERER, NRCN — The melting curve of Tellurium was measured in a laser heated diamond anvil cell (LHDAC). Using our IR pyrometer we were able to measure melting temperatures as low as 600 K. Melting at high-pressure was identified by image analysis of an auxiliary laser light scattering images, taken from the surface of the hot spot, and designed to detect changes in the sample surface due to melting. Our data is consistent with previous measurements performed in a large volume press and go to higher pressure.

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