

Report HS 4440 A new high-pressure low-temperature modification of calcium

The new diffraction data collected at ID09a of the ESRF confirm the observation of the new high-pressure form of Ca. In some patterns, the new modification is obtained as a single-phase material. For reasons of priority in this currently very active field [1], we will not give more details here, but refer to a publication currently being written for Physical Review.

[1] J. Tse, S. Desgreniers, Y. Ohishi, T. Matsuoka, *Sci. Rep.* **2** (2012) 372.