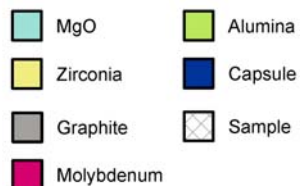
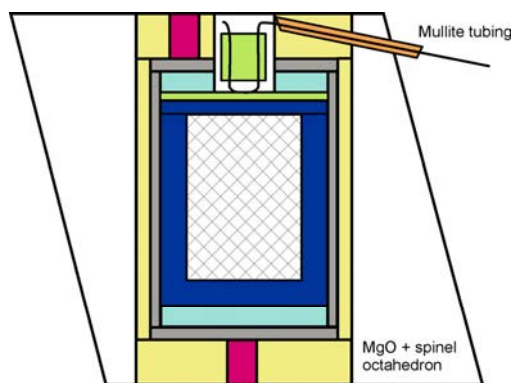


Novel Large Volume Multianvil Cells: New possibilities for Earth Sciences and Solid State Chemistry

Emil Stoyanov Kati Puhakainen Kurt Leinenweber Ulrich Häussermann

Department of Chemistry, Arizona State University, Tempe, AZ 85287-1604, USA

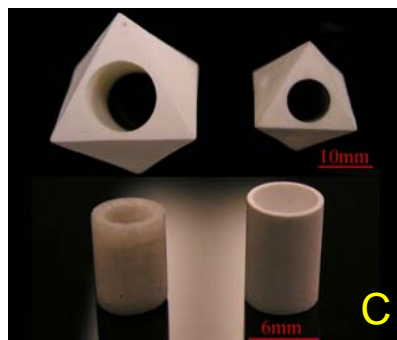
Design



A

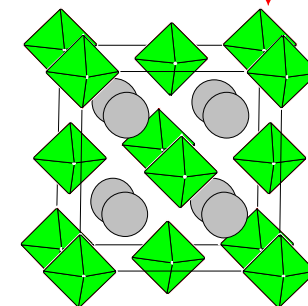
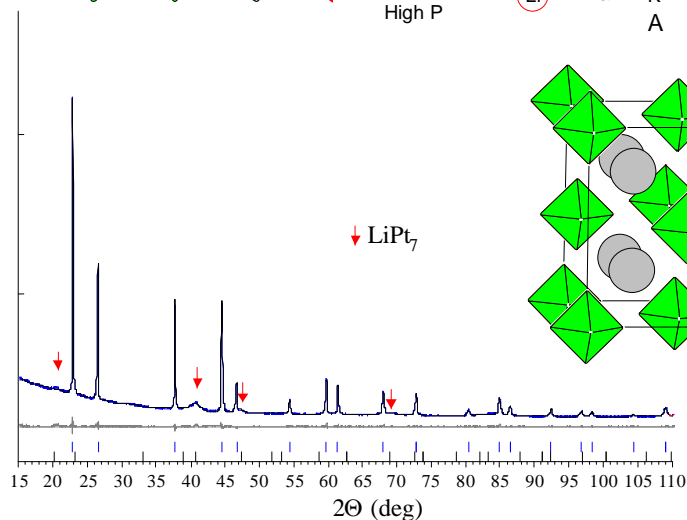
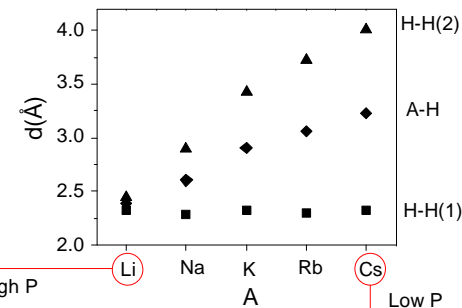
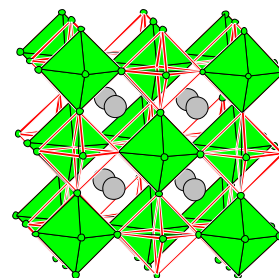


B



C

Application



General design of the large volume cells (A), parts for the 18/12 assembly (B) and 25/15 and 18/12 octahedra (top) with 18/12 NaCl and BN sample capsules (bottom) (C).

Product: Li_2PtH_6

- space group Fm-3m
- $a = 6.758(2) \text{ \AA}$
- contains Pt in the oxidation state IV