

High Pressure Physics Lab

Lab coordinator: Dr. Manoj Kumar

Facilities available:

- Low Temperature Cryostat (4K- 300K)
- Hydrostatic pressure cell (3 GPa)
- Uniaxial pressure cell (1 GPa)
- WC anvil cell (10 GPa)
- High pressure hydraulic press
- Micro soldering station and Wire bonder (Spot Weilding)
- Electromagnet (up to 1 Tesla field at 10 mm gap)
- CNT alignment setup (Horrorizontal and Vertical alignment)
- Potentiostat
- Furnaces (Horrorizontal and Vertical Muffle upto 1100°C)
- Stereomicroscope Optical (45X magnification)
- Hot air Oven (300°C)
- Ampoule making and sealing (high vacuum)Are

