

# Irradiation Set Up at 6 meter level

- The high current irradiation set up at 6 meter level was developed and utilized for radioisotope production since September 18, 2004 and subsequently customized to perform secondary neutron production in June 01, 2013 and more recently for radiopharmaceutical and other applications.
- Several applications require the neutron yield to be as high as  $10^7$ - $10^9$  n/s. This facility also provides neutron yield in the range of  $10^7$ - $10^8$  n/s via protons bombarding Lithium or Beryllium targets with few MeV and few hundreds of nA beam current.
- **Allows irradiation of solid as well as liquid samples.**
- This facility is also being used for radio pharmaceutical and tracer applications.

