

# Large Area Low Flux Proton Beam Setup



- ❑ Low flux of protons in the range of  $10^3$  to  $10^8$  particles/cm<sup>2</sup>/s in air is required for radiological applications and qualification of space based electronic devices. This set up has been utilized since November 01, 2007 and undergone various up-gradations. The set up is further customized in **January 9, 2018** for conducting induced-mutation studies in grains, successfully.
- ❑ Induced-mutation in Rice and Wheat using low flux proton beam is being pursued by NA&BTD, BARC. The set up is tailored as per experimental requirements.
- ❑ The testing of space bound electronic devices is extensively performed by