

Experimental Nuclear Physics research facility at VECC

The experimental programme for nuclear physics at Variable Energy Cyclotron centre (VECC) is based on investigations of properties of nuclei under different conditions of temperature, angular momenta, deformation and isospin degrees of freedom, using the available accelerated ion beams from the cyclotron at VECC. Several state of the art detector facilities have been developed at VECC over the years to carry out exclusive multi-parameter experiments using light and heavy ion beams from the K-130 cyclotron, as well as the expected beams from superconducting cyclotron and radioactive ion beam facilities. The detector development and their use in various physics experiments, with some of the recent results will be discussed.

Primary author(s) : Dr BHATTACHARYYA, Sarmishtha (Variable Energy Cyclotron Centre)