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Accelerator development activity at Variable Energy Cyclotron Centre, Kolkata, India

Thursday, 13 April 2023 12:00 (20 minutes)

Variable Energy Cyclotron Centre (VECC) is a R&D unit of the Department of Atomic Energy, Government of India. This Centre is dedicated to carry out frontier research and development in the fields of Accelerator Science & Technology, Nuclear Science (Theoretical and Experimental), Material Science, Computer Science & Technology and in other relevant areas.

VECC has been delivering proton, alpha and heavy ion beams from K130 room temperature cyclotron for users. Recently beam has been extracted successfully from a K500 superconducting cyclotron for the first time. A 30 MeV medical cyclotron has been commissioned and started routine production and delivery of PET isotopes for patients to different hospitals. An ISOL post-accelerator type of RIB facility has been developed with the K130 cyclotron as the primary accelerator. Status of these accelerators and related interesting developments will be presented in this talk.

Speaker's Title

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