



Contribution ID : 58

Type : **Talk (remote)**

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

Thursday, 13 April 2023 12:00 (20)

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.

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Session Classification : Room 2 (Conferece Room)

Track Classification : WG5: Accelerator and its related technologies for hadron (neutron) science