



Project: Facility for Antiproton and Ion Research (FAIR)

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Indian industries at FAIR



Abstract:

- India is a founder member of the Facility For Antiproton and Ion Research (FAIR), the largest basic science project coming up at Darmstadt, Germany. This technological marvel will have 4 parallel operations using fast switching superconducting magnets. The machine requires ultra-stable power converters apart from cryogenic systems, vacuum system, RF systems among others. Indian industry apart from contributing in India's share in the in-kind item can participate in building FAIR accelerator equipment, detectors and electronics in general. The details of scope will be presented.

About the Speaker:

- Dr. Subhasis Chattopadhyay after completion of MSc(Physics) from University of Calcutta and M.Tech (Materials Science and Engineering) from IIT-Kharagpur joined BARC training school and currently holding the position of Scientific Officer at Variable Energy Cyclotron Centre, Kolkata. He is holding an adjunct Professor position at Bose Institute, Kolkata. Dr. Chattopadhyay has worked on instrumentation, phenomenology and physics analysis in the field of high energy heavy ion collisions at CERN and Brookhaven National Laboratory, USA and currently coordinating India's participation in the FAIR project, Germany. He has made significant contribution in detection and study of photons and dileptons in such collisions. He has supervised 14 PhD students so far and a recipient of Homi-Bhabha Science and Technology Award from the Department of Atomic Energy.

