अणुविद्या

HBNI NEWSLETTER

होमी भाभा राष्ट्रीय संस्थान

Homi Bhabha National Institute

(परमाणु ऊर्जा विभाग की एक सहायक संस्था और युजीसी
अधिनियम 1956 की धारा 3 के तहत विश्वविद्यालय माना जाता है)

(An aided institution of the Department of Atomic Energy and
a Deemed-to-be university under section 3 of the UGC Act.1956)

Founder's Day Celeration

The 111th Birth anniversary of Dr. Homi Jehangir Bhabha was celebrated by HBNI on October 30, 2020. On this occasion, Prof. Sreerup Raychaudhuri, Dean (Administration) and Professor, Department of Theoretical Physics, Tata Institute of Fundamental Research, delivered a special lecture on the topic "Homi Bhabha and the Early Days of Particle Physics in India." The lecture was conducted online on a Webex platform and streamed live on YouTube. In his talk, Prof. Raychaudhuri, described about the history of nuclear physics, cosmic physics and particle physics research in India and highlighted the contributions made by Dr. Homi Jehangir Bhabha and various other Indian physicists/scientists.

Course on Neutrons as probes for condensed matter

An online course on "Neutron as Probe of Condensed Matter" is being conducted by HBNI presently. The course program was inaugurated by Dr. R. Chidambaram on October 5, 2020. The course is coordinated by Prof. Saibal Basu, Associate Dean, HBNI and the lectures are streamed live on HBNI YouTube channel. The course has attempted to introduce neutron scattering techniques to the researchers for probing structure and dynamics in condensed matter. Owing to neutron's unique properties (no charge and inherent magnetic moment), the short-range strong interaction of neutron with matter and the inherent magnetic moment of neutron makes neutron scattering a unique probe in condensed matter research. The course has seen good participation from a variety of educational institutes across the country as well as abroad.

Dr. R. Chidambaram (L) and Prof. Saibal Basu (R) during the inaugural program of the course on Neutrons as probes for condensed matter