



trombay
colloquium*
July 27, 2023

From Cosmic Rays to Neutrinos

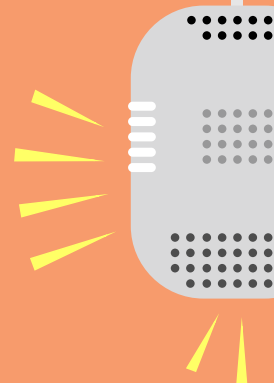
Experimental Particle Physics Research in India

India has a rich history in indigenous development of particle detectors and conducting experiments in the field of cosmic rays and particle physics. D. M. Bose at Kolkata, Piara Singh Gill at Aligarh, and Homi J. Bhabha at Mumbai were the early pioneers. From 1960 onwards, a series of experiments conducted at the deep underground laboratory at Kolar Gold Fields using indigenously developed detectors have put India on the world map of experimental science. India also has an ambitious plan to build a giant 50 kton magnetized iron calorimeter to study the fundamental properties of neutrinos. Many noteworthy developments in the journey of India's particle physics research were covered during the talk.



Prof. Naba K. Mondal

INSA Senior Scientist
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*The Trombay Colloquium is a key window of opportunity for the BARC community to brainstorm with eminent individuals belonging to a wide spectrum of science & technology and allied domains. Prominent scientists and technologists are invited



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August 24, 2023

On the occasion of Birth Centenary of Dr. Homi N. Sethna

Doing and Leading Science in India Lessons from my Book of Life

What are the key lessons that I have learnt while doing and leading science in India? I learnt that there is nothing like basic science or applied science, only science and its application. Further, only those who say the first or last word in science are remembered. Be bold, chase anomalies. These will open windows to new knowledge. Be borderless, as breakthroughs occur at interfaces. I also learnt that it is the power of ideas that matters and not the power of budget. Message matters, it brings focus, inspires and alliance. Making high-technology work for the poor matters so do science that creates access equality despite income inequality. All these lessons were elaborated with concrete real life examples to the large BARC audience.

Dr. Raghunath Mashelkar

Former Director General
CSIR

to BARC Trombay to deliver captivating talks on emerging domains of science, and the transformative effect of new technological innovations.