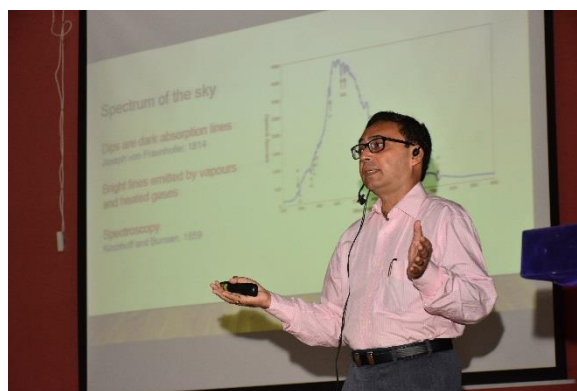


Seminar on “Planck's Jump and Bohr's Leap”

Date: 24-08-2018

Participants: 268

Prof. Sudhir Jain, BARC, Mumbai

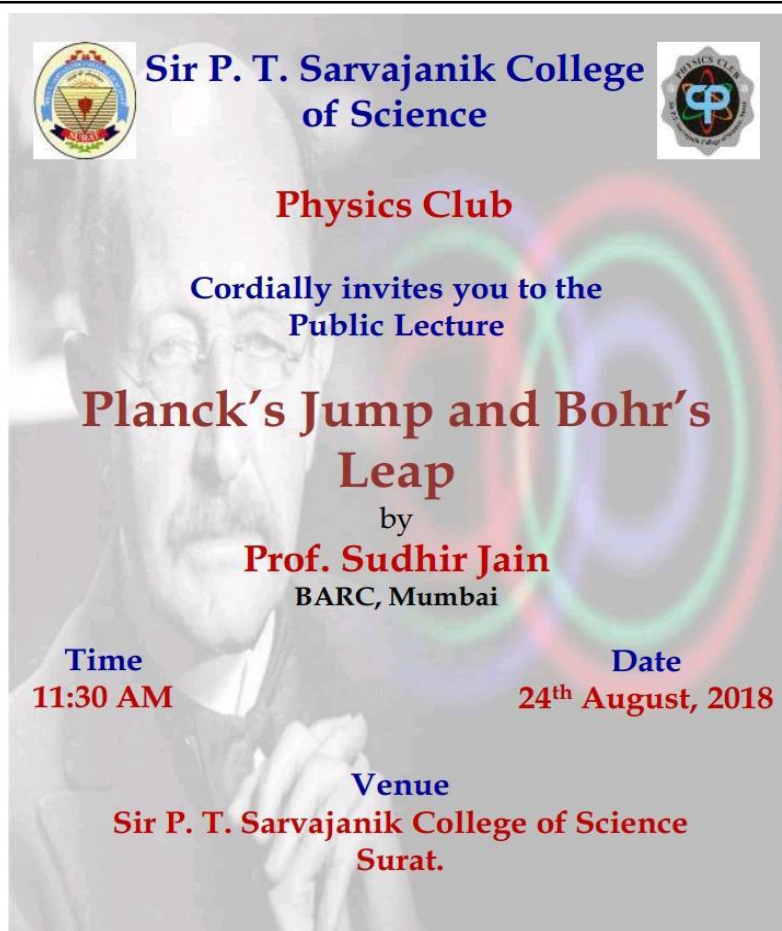


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Brief Report:

In this interesting talk Prof. Jain elaborately explained the origin of Planck's hypothesis of energy quanta. He began by discussing the crucial role played by experimental determination of blackbody radiation spectrum which led Planck to come with his revolutionary idea. He also discussed how the idea of quantization was carried forward by Bohr when he proposed his famous model of an atom. Bohr extended the idea of quantization to the angular momentum of an electron and using the principle of conservation of energy connected the electron jumps between two energy levels with the energy of emitted photon. The talk centered around these two fundamentally radical ideas. The talk was well received by all the students and faculty members.