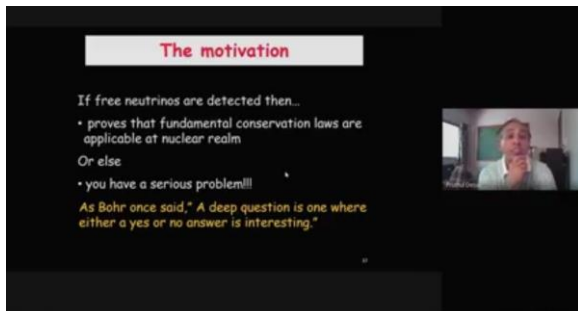
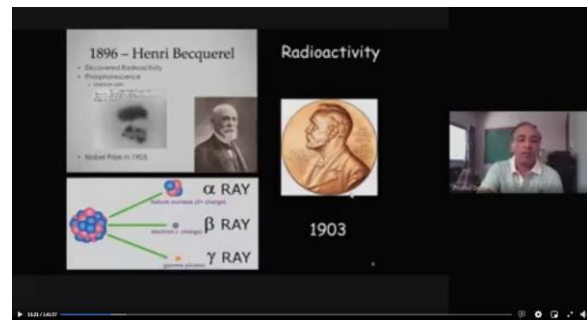


# Webinar on “Detecting the Poltergeist”

Date: 22-04-2020

Participants: 525

Dr. Pruthul R Desai, Department of Physics, Sir P. T. Sarvajani College of Science, Surat



Link to Webinar Video:

<https://www.facebook.com/102940994767328/videos/439757810477678>

## Brief Report:

The mystery particle, neutrino, was proposed by Pauli to account for the beta emission from a radioactive substance way back in 1930. But, since they hardly reacted with any other particle or a body, it was very difficult to detect them just like the Poltergeist. Dr. Pruthul Desai in this talk narrated the whole story of the problems with beta emission and the conservation laws, how Pauli came up with an idea of this particle, how Fermi used this idea and gave explanation of beta emission and finally their detection, initially by Fred Reines and Clyde Cowan and later on Lederman, Schwartz and Steinberger. The talk was followed by interaction session.