



Physical Research Laboratory, Ahmedabad

PUBLIC LECTURE

Speaker: Prof. Sandip Pakvasa
University of Hawaii, Honolulu.

Title: “Galactic Neutrino Communication and Search for Extra Terrestrial Intelligence (SETI)”

Time: Wednesday, 07 January 2015, 17.00 hrs.

Venue: K. R. Ramanathan Auditorium, PRL

Abstract

This talk will summarize some ideas on the possibility that Extra Terrestrial Civilizations are sending out signals into space using neutrino beams. If so, we can try to intercept them by detecting them. It will also describe a very speculative possibility that they might use neutrinos to modulate the period of a Cepheid variable star to magnify the signal and send it out over huge distances. The so-called Fermi Question/Paradox will also be discussed.

The Speaker

Prof. Sandip Pakvasa is a Professor of Physics at the University of Hawaii, Honolulu. He was born in Mumbai and grew up in various places in Gujarat and Saurashtra. He earned his B. Sc. and M. Sc. at the Maharaja Sayajirao University of Baroda followed by a Ph. D. degree from the Purdue University, U.S. His major interest has been in the physics and astrophysics of neutrinos, flavor physics, breaking of CP and other symmetries, and the fermion mass matrix. He also works on the SETI (Search for Extra-terrestrial Intelligence). He has been a visiting professor at University of Wisconsin; Vanderbilt University; KEK, the National Laboratory for High Energy Physics, Japan, and the Tata Institute of Fundamental Research. He was elected to the fellowship of the American Physical Society and has been a JSPS (Japan Society for Promotion of Science) Fellow several times.

Tea at 18:00 hrs.
ALL ARE WELCOME

