

Title: Neutrino physics

Lecturer: François Vannucci

Date and Times:

- 20 July at 10:15
- 21 July at 10:15
- 22 July at 10:15
- 23 July at 10:15

Summary of the proposed talk:

These lectures will summarize the present knowledge in neutrino physics. In particular the experimental evidences on oscillations will be shown and the consequences discussed. The future of this research will be sketched.

Prerequisite knowledge and references:

Basic physics

**Biography-
Brief CV:**

Professor of physics at Paris7 University (Denis-Diderot)
Experimental physicist
Spokesperson of several neutrino experiments: PS 191 at CERN (1983-1985), E 816 at Brookhaven (1986-1989), Nomad at CERN (1990-1996)

Publications:

-Physics articles
-Several books (in French) popularizing science:
Les neutrinos vont-ils au paradis ? 2002, EDP-Sciences
Combien de particules dans un petit pois ? 2003, Le Pommier
Le miroir aux neutrinos. 2003, Odile Jacob
L'homme est-il au centre de l'univers ? 2004, Le Pommier
Qu'est-ce que la relativité ? 2005, Le Pommier
Marcel Proust à la recherche des sciences. 2005, Le Rocher
L'astronomie de l'univers extrême. 2006, Od Jacob
Atlas, le nouveau défi des particules. 2007, Ellipses