

Università degli Studi di Pavia

DOTTORATO DI RICERCA IN FISICA

CORSO DI SEMINARI DI INDIRIZZO NUCLEARE

A.A. 2006/2007

Dal 15 al 18 maggio 2007 alle ore 16.00 in Aula Dottorato il

Prof. RICHARD WIGMANS

Texas Tech University

terrà una serie di seminari su

Calorimetry

Energy measurement in particle physics

This course consists of four lectures of 1 -1.5 hours each. In these lectures, I will discuss the following topics:

- The physics that plays a role when high-energy particles are absorbed in dense matter, with emphasis on issues that are important for the properties of calorimeters.
- All aspects of the calorimeter response function: Mean value, shape, time structure, and the factors that determine these characteristics.
- Practical issues that are important for students who start working in a particle physics experiment: Calibration and simulation.
- I will also present the latest results of DREAM, an R&D project in which several researchers from the Università' di Pavia are involved.

The lectures will be in English. As part of the course material, participants will receive a CD with all the lecture slides, as well as the monograph I wrote on this topic.

Gli studenti di Dottorato e tutti gli interessati sono cordialmente invitati

Titolare del Corso
Prof. Sergio P. Ratti