

## SEMINAR

### **The International Linear Collider project**

The ILC is a planned electron-positron collider, which in its first stage will operate as a Higgs boson factory. I will discuss the physics potential of the ILC, with an emphasis on Higgs studies. The associated detector design studies will also be covered, with particular emphasis on the highly granular calorimeters being designed to optimally apply particle-flow techniques to event reconstruction. The Japanese government has recently expressed an interest in hosting the ILC: I will discuss this and other aspects of the project's political situation.

Speaker: Dr. Daniel Jeans (KEK)

Tuesday, April 16, 2.30pm – Aula D, Dipartimento di Fisica