



COLOQUIOS PACO YNDURÁIN 2009/10
Departamento de Física Teórica

Miércoles, 7 de Octubre de 2009, 15 h.
Facultad de Ciencias, Sala de Conferencias Módulo C-0

Flavor and Grand Unification

Prof. Cecilia Jarlskog
Lund University, Sweden

Abstract: The building blocks of matter come in "families", and have their specific "flavors". The pattern that has emerged in the course of time has haunted physicists, in spite of great efforts to understand it. There have been attempts to unify the forces that govern the interactions of the building blocks, by proposing "Grand Unified Theories", a topic that received considerable attention by Paco Ynduráin.

After giving a historical introduction the speaker will discuss, in simple terms, what has been learned so far and what the major remaining questions are. Indeed, there is more to the universe than meets the eye. This issue will also be discussed in the talk, albeit briefly.