Title: The Standard Model

Lecturer: Dr PICH, A

Date and Times: 19th July at 09:15
20th July at 09:15
21st July at 09:15
21st July at 10:15
22nd July at 09:15
23rd July at 09:15
26th July at 09:15
27th July at 09:15

Summary of the proposed talk

The Standard Model of Elementary Particle Physics will be described. A detailed discussion of the particle content, structure and symmetries of the theory will be given, together with an overview of the most important experimental facts which have established this theoretical framework as the Standard Theory of particle interactions.

Prerequisite knowledge and references

Quantum Mechanics Suggested Reading:

- A. Pich, "The Standard Model of Electroweak Interactions", arXiv:hep-ph/9412274
- A. Pich, "The Standard Model of Particle Physics: Status & Low-Energy Tests", arXiv:hep-ph/0206011
- A. Pich, "Aspects of Quantum Chromodynamics", arXiv:hep-ph/0001118
- A. Pich, "The Standard Model of Particle Physics", 2003 CERN Summer Student Lectures, http://agenda.cern.ch/tools/SSLPdisplay.php?stdate=2003-06-30&nbweeks=7

Biography

Doctor Antonio Pich:

Research Lines:

- Theoretical Physics
- Particle Physics Phenomenology (Electroweak & Strong interactions)
- Flavour dynamics. CP violation

Present Status :

- Since 1997: Editor JHEP
- Since 1998: Professor of theoretical Physics, University of Valencia
- Since 1999: Director of Instituto de Fisica Corpuscular (IFIC), University of Valencia -CSIC

Brief CV:

- 1979: Physics Diploma, University of Valencia
- 1983: PhD, University of Valencia
- 1984-1986: Post-Doc Max-Planck Institut, Munich
- 1987-1988: CERN Fellow
- 1989-1990 and 1994-1998: CSIC Research staff
- 1991-1993: CERN research staff (TH division)

Publications:

- 137 entries in SPIRES