



PHYS2440 Electrostrong interactions and symmetries

[45h] 5 credits

This course is taught in the 1st and 2nd semester

Teacher(s): Jean-Marc Gérard, Fabio Maltoni
Language: French
Level: Second cycle

Aims

Introduction to elementary particle physics

Main themes

Fundamental aspects of elementary particle physics : theoretical tools (relativistic invariance, quantum field theory, symmetry), quantum numbers, quarks models, gauge and effective theories, electroweak interactions.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites: PHYS 2290.

Openings: research in Physics of elementary particles.

Other credits in programs

PHYS22/G	Deuxième licence en sciences physiques	(5 credits)
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