PHYS2355 Nuclear physics

[45h] 7 credits

This course is taught in the 1st semester

Teacher(s): Thierry Delbar, Youssef El Masri
Language: French
Level: Second cycle

Aims

- General formation in nuclear physics giving the study a global view of nucleus and elementary particle properties and of their interactions.
- Going past the pure knowledge "from books" of quantum mechanics of interactions to apply them to experimental physics.

Main themes

Main aspects of nucleus and elementary particle physics : structure, models, interactions (reactions)

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

Prerequisites: Elementary quantum mechanics (course PHYS 2263 - General detailed physics).
Support: "Introductory Nuclear physics" K.S. Krane, Ed. J. Wiley, 1988.
Openings: Advanced teaching in nuclear physics.

Other credits in programs

PHYS22/G Deuxième licence en sciences physiques (7 credits)