PHYS2356 Recent developments in nuclear physics

[45h] 7.5 credits

This course is taught in the 2nd semester

Teacher(s): Youssef El Masri, Jan Govaerts, Pierre Leleux, Krzysztof Piotrzkowski
Language: French
Level: Second cycle

Aims

Introducing the student to recent research in nuclear physics or using nuclear techniques, in the Institute of Nuclear Physics of the UCL.

Main themes

Two parts to choose from the six following :
A. Nuclear astrophysics (P.Leleux)
B. Electroweak interaction (Th. Delbar)
C. Nuclear reactions (Y. El Mastri)
D. Applications of nuclear physics to medicine and biology (JP Meulders)
E. Symmetry (J.Govaerts)
F. Nuclear models (N.)
G. Neutron physics (Y. El Masri, JP Meulders)

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

Prerequisites: Advanced nuclear physics (PHYS 2355).