



PHY2372 Experimental methods

[45h+15h exercises] 5 credits

This course is taught in the 1st semester

Teacher(s): Pierre Leleux, Krzysztof Piotrkowski, Xavier Urbain, Michel Van Ruymbeke

Language: French

Level: Second cycle

Aims

The objective of the course is to familiarize the student with some experimental methods of modern physics and especially corpuscular physics (particle physics, nucleuses, atoms or molecules). Certain methods are encountered by the student that is doing a thesis in an experimental unit of the physics department.

Main themes

- Introduction to the measure theory
- Physical parameter measure, microscopic and macroscopic
- Detectors : principals and use

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

Prerequisites: general physics.

Openings: the course prepares students to experimental research in corpuscular physics.

Exercise sessions are consecrated to the critic, by students, of an experience realized in laboratory.