FSH3320 Current Topics in Experimental Nuclear Physics 3.0 credits

Aktuella ämnen inom experimentell kärnfysik

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for FSH3320 valid from Spring 2014

Grading scale

Education cycle

Third cycle

Specific prerequisites

Enrolled as PhD student.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completing the course the student should be able to:

1. identify the most important topical research areas in experimental nuclear physics and connect them with frontline theoretical research.
2. critically evaluate scientific articles wrt methodology and results as well as place the research
   presented in the article into a larger context.
3. present new research papers clearly and in a concise way to peer students and senior researchers, as well as actively participate in disscussion of the articles.
4. describe the development of the wider research field by following the literature as it is published

Course contents

Topical areas in nuclear physics with an emphasis on experimental work. Active following of the literature as it is published.
Topical articles are presented for peer students and senior scientists.

Course literature

Hand outs

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Three presentations of topical papers. Active participation in the discussions during the presentations by the other students

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.