Course title:

Advanced topics in particle physics

Duration [number of hours]: 6

PhD Program [MERC/MPS/SPACE]: MPS

Name and Contact Details of Lecturer:

Fabio Ambrosino

Course Description:

The course will consist of a series of advanced topical seminars on current frontier problems in particle physics and on the experimental techniques used to face them. Subject may include state-of-the-art particle detectors, current and future particle accelerator facilities, advanced data analysis techniques, experimental tests of the Standard Model and its extensions. The specific choice of the seminars/lectures will be selected in agreement with the students to fit their interests and motivations.