

Advanced topics in current and future researches in experimental particle physics

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Abstract: the aims of the course is to review and analyse state of the art and more recent developments in experimental research in the field of particle physics. Researchers actively involved in the different sub-fields of particle physics will cover with seminar-style lessons different topics related to (collider physics, neutrino physics, WIMP-like dark matter searches (direct and indirect detection), search for signals from dark/hidden sectors, researches in the flavour sector, accelerator facility and future development in the field, novelties and future perspectives in the development of particle detectors.

Numero crediti: 3 (20 ore didattica frontale)

Periodo: secondo semestre (febbraio - giugno 2020), data da concordare con i dottorandi interessati