

Experiments for Future Circular Colliders

Monday, November 6, 2017 11:30 AM (1 hour)

Speaker: M. Aleksa (CERN)

Abstract: The feasibility of a new proton collider, the FCC-hh, with centre of mass energies of up to 100TeV and unprecedented luminosity is currently being studied. Such a machine will provide a discovery potential for new physics far beyond HL-LHC and will also allow precision measurements of rare physics channels that are not accessible with the HL-LHC. Possible experiments, allowing to exploit the full FCC-hh physics potential are under study at the moment. The talk will describe the requirements for such an FCC-hh experiment, the overall concepts that led its design and introduce possible detector technologies.