2019 CERN-Fermilab HCP Summer School

Wednesday 28 August 2019 - Friday 06 September 2019

CERN

Scientific Programme
QCD and Monte Carlo Tools
Massimiliano Grazzini (University of Zurich)

Statistics and Machine Learning for HEP
Eilam Gross (Weizmann Institute for Science)

Higgs and EW Theory
Laura Reina (Florida State University)

BSM Theory
Matthew McCullough (CERN)

High-density QCD with heavy-ion and proton beams
Francesca Bellini (CERN)

Precision Measurements
Pedro Silva (CERN)

Searches for BSM physics
Caterina Doglioni (Lund University)

Experimental studies of Higgs physics
Andre David (CERN)

Flavour Physics
Guy Wilkinson (University of Oxford)
Accelerators
Belen Salvachua (CERN)

From Collisions to Analysis
Mika Vesterinen (University of Warwick)

Advanced Detector Technologies
Werner Riegler (CERN)

Physics prospects at HE-LHC and FCC
Michelangelo Mangano (CERN)

Novel Accelerator Techniques
Edda Gschwendtner (CERN)

Precision Measurements at Low Energy and their Implications on New Physics
Michael Doser (CERN)