

# 14th CERN-FERMILAB HADRON COLLIDER PHYSICS SUMMER SCHOOL

**CERN, 28 August - 6 September 2019**

The CERN-Fermilab Hadron Collider Physics schools are targeted particularly at young postdocs and senior PhD students.

## MAIN LECTURE TOPICS

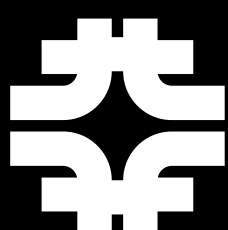
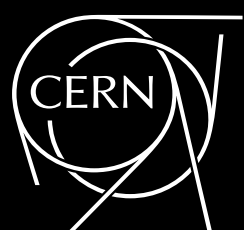
**Accelerators** Belen Salvachua (*CERN*) • **Advanced Detector Technologies** Werner Riegler (*CERN*) • **BSM Theory** Matthew McCullough (*CERN*) • **Experimental Studies of Higgs Physics** Andre David (*CERN*) • **Flavour Physics** Guy Wilkinson (*University of Oxford*) • **From Collisions to Analysis** Mika Vesterinen (*University of Warwick*) • **Higgs and EW Theory** Laura Reina (*Florida State University*) • **High-Density QCD with Heavy-Ion and Proton Beams** Francesca Bellini (*CERN*) • **Novel Accelerator Techniques** Edda Gschwendtner (*CERN*) • **Physics Prospects at HE-LHC and FCC** Michelangelo Mangano (*CERN*) • **Precision Measurements** Pedro Silva (*CERN*) • **Precision Measurements at Low Energy and their Implications on New Physics** Michael Doser (*CERN*) • **QCD and Monte Carlo Tools** Massimiliano Grazzini (*University of Zurich*) • **Searches for BSM Physics** Caterina Doglioni (*Lund University*) • **Statistics and Machine Learning for HEP** Eilam Gross (*Weizmann Institute of Science*)

## International Advisory Committee

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More information at: <http://cern.ch/hcpss/2019>