17th Hadron Collider Physics Summer School

Monday, 15 August 2022 - Friday, 26 August 2022

Scientific Program

The anticipated scientific program includes:
Perturbative QCD and Jet Physics - Ian Moult, Yale University
Higgs Theory - Bernhard Mistlberger, SLAC
Electroweak Theory - Radja Boughezal, Northwestern/Argonne
BSM Theory - Bogdan Dobrescu, FNAL
Flavor Physics Theory, Wolfgang Altmannshofer, UCSC
BSM Experimental Searches - Zeynep Demaragli, Boston University
Higgs and Standard Model Measurements - Aram Apyan, Brandeis University
Flavor Physics Experiment - Matt Rudolph, Syracuse University
High-density QCD with Proton and Ion Beams, Marta Verweij, Utrecht University
Reconstruction & ML techniques - Lindsey Gray, FNAL
Statistics - Nicholas Wardle, Imperial College London
Tracking detectors - Doug Berry, FNAL
Calorimetry - Ted Kolberg, Florida State University
Timing detectors - Artur Apresyan, FNAL
Trigger and DAQ - Sergo Jindariani, FNAL
Computing - Oliver Gutsche, FNAL
Accelerator Technologies - TBD

Special Lectures:
- Snowmass process - Joel Butler, FNAL
- Quantum Information Science - Gabriel Perdue, FNAL
- Neutrino physics - Noemi Rocco, FNAL

Discussion Sessions:
There will be parallel discussion sessions, lasting about 60 minutes, during the School. Students remain in the same discussion group for the duration of the School.