

2018 CTEQ School

The Coordinated Theoretical-Experimental Project on QCD (CTEQ)
will organize and conduct the

2018 CTEQ School

on

QCD and Electroweak Phenomenology

at the

University of Puerto Rico, Mayaguez, USA

18 – 28 June 2018

The school will be locally hosted by **University of Puerto Rico, Mayaguez**



The School is ideally suited for advanced graduate students and recent PhDs.

Topics to be covered:

Focused Introductory Reviews:

Introduction to the Parton Model &
Perturbative QCD
Deeply Inelastic Scattering
Higgs Boson Physics
Vector Bosons / Direct Photons
Jets & Jet Substructure
Heavy Quarks

In-depth Analysis and Phenomenology:

Experimental Results from LHC
QCD/EWK/Top Studies
Monte Carlo Event Generators
PDFs and Global Fits
Neutrino & Muon Physics
Machine Learning
The Standard Model and Beyond

Review of applications begins: 1 March 2018

Website: www.cteq.org

E-mail: cteq.school@gmail.com

Sponsors: University of Puerto Rico, Mayaguez, Colegio De Fisica Fundamental E Interdisciplinaria De Las Americas (COFI), U.S. Department of Energy, National Science Foundation, Fermi National Accelerator Laboratory, Jefferson Lab, MCnet, Pittsburgh Particle Physics, Astrophysics, & Cosmology Center (PITT PACC)

Organizers: Tao Han, Kenichi Hatakeyama, Stefan Hoeche, Joey Huston, Cynthia Keppel, Sudhir Malik, Jorge Morfin, Fred Olness, Pavel Nadolsky, Paul Reimer, Dave Soper, Zack Sullivan, Nikos Varelas, Mayda Velasco, C.P. Yuan