

Welcome to
the PITT PACC Workshop:
LHC Physics for Run 3

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PITT PACC
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US Atlas 2018 summer meeting
US Atlas 2018 was held on July 30 - August 2, 2018 at the University of Pittsburgh.

Welcome to PITT PACC



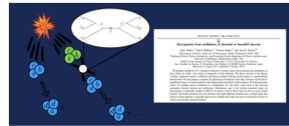
PITT PACC People

Learn more about our members, associate members, advisory board, and visitors.



Research

PITT PACC conducts research and coordinates local activities in experimental, observational, and theoretical particle physics, astrophysics, and cosmology.



Publications

View recent publications by PITT PACC members.



Event Calendar

View additional events sponsored by PITT PACC, the Department of Physics and Astronomy at the University of Pittsburgh, and Carnegie Mellon University.



Seminar Schedule

See the current PITT PACC seminar schedule.



Job Opportunities

View postings for both Faculty positions in Astrophysics and Postdoctoral research positions with PITT PACC.

Mission: To enhance research activities for particle physics, astrophysics, and cosmology; strengthen interactions and collaborations among the theorists and experimentalists in those fields; and promote local research to the general community.

Publications

Electroweak parton distribution functions at future colliders

News

The Nobel Prize in Physics 2020
Congratulations to Professor Donna Naples, who has been named a



University of Pittsburgh

- **Members:** ~30 Pitt faculty + 2 PITT PACC Fellows + Postdocs, students, visitors

- **Associate Members:**

CMU; PSU; OSU; MSU; SUNY-Buffalo, CWRU

You can also join!

(free of charge; and free Pheno Symp. & workshops)

- **In both theory and Experiments/observation:**

Expt: ATLAS; T2K, NOva, MicroBooNE, MINOS, MINERvA, DUNE; Belle II LSST, DESI, DEEP2,3 ...

Theory: QCD, EWSB, Higgs, ν 's, DM, BSM, ...
Cosmo: CMB, DE ...

PITT PACC Activities

- Organizing joint seminars/colloquia
broad interests; joined with CMU
- Organizing workshops (4 each year):
in rapid-response, on hot topics
- And other conferences:
Pheno Symposia; CTEQ Summer schools;
Experimental collaboration meetings ...
- Host visitors:
Faculty sabbatical; international postdocs & students
- Host PITT PACC Public Lectures

Recent PITT PACC Workshops

US ATLAS Summer Analysis Workshop:

Organizers: Joe Boudreau, Tae Min Hong, Jim Mueller
July 30 - August 2, 2018

BSM Circa 2020:

Organizers: Brian Batell, Joshua Berger, Sally Dawson, Pavel Fileviez Perez, Dorival Gonçalves, Tao Han, Ahmed Ismail, Cédric Weiland
February 28, 2019 - March 2, 2019

2019 Neutrino cross-section Tension Wkshp:

Organizers: Steve Dytman, **July 8-12, 2019**

Muon Collider workshop: (virtual)

Organizers: Ben Carlson, Tao Han, Brian Batell, Ayres Freitas, Keping Xie, Cedric Weiland, Xing Wang,
Nov. 30- Dec. 2, 2020

This Workshop

LHC Physics for Run 3:

The key goal of this virtual workshop is to learn from the latest Run 2 results to provide inspiration for new ideas in Run 3. In addition, a variety of tools will be discussed, including: triggers, machine learning, and reconstruction.

We will also allow for ample discussion and have a social hour to allow for meeting new people and forming connections and collaborations.

LOCAL ORGANIZERS:

Ben Carlson, Brian Batell, Tae Min Hong, Jim Mueller, Keping Xie

EXTERNAL ORGANIZERS:

Christian Herwig, Chris Hayes

ADMINISTRATOR:

Joni George

***Thank you all !
Look forward to & wish you a
fruitful workshop!***

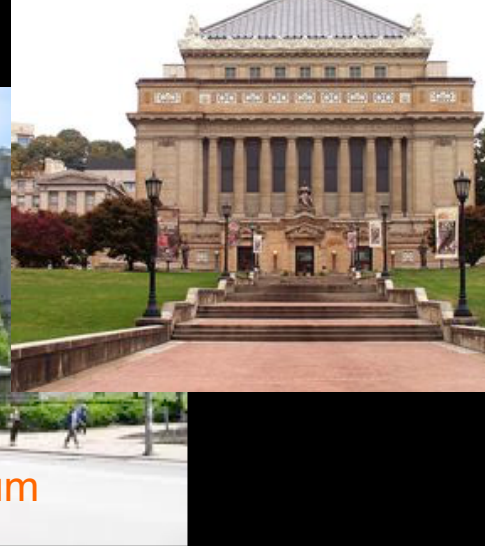
Pittsburgh made the *National Geographic Traveller's* 19 for 2019 Cool List. The British edition of the publication names Pittsburgh as a destination set to hit the headlines in 2019. Pittsburgh, the only U.S. city to make the list, was ranked third among the coolest places to travel in the coming year.

Cathedral of Learning



Carnegie Museum

Soldiers & Sailors Museum



Phipps Conservatory

Pittsburgh: The Coolest American City You Haven't Been To

🕒 01/06/2015 08:44 pm ET | Updated Mar 08, 2015



Andrea Poe

Journalist who covers travel, adoption and business issues around the globe



Hope to see you in-person in Pittsburgh before long!

