

August 2019 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for August 2019. This newsletter will be archived on the DPF website.

If you would like an announcement included in the September newsletter, to be sent out around September 15th, please contact the DPF Secretary/Treasurer. Please keep requests to 300 words and submit them by the **10th of the month** for consideration.

Mirjam Cvetič, Secretary/Treasurer, cvetic@physics.upenn.edu

Rick Van Kooten, Member-at-Large, rvankoot@indiana.edu

Elizabeth Worcester, Member-at-Large, etw@bnl.gov

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Snowmass Planning

The Snowmass process is in the planning stages. The DPF sponsored town hall meetings last April at the APS meeting and again this August at Northeastern for its divisional meeting. A plenary talk was prepared by Prisca Cushman and Young-Kee Kim (DPF chair and chair-elect) which defined the agenda for the next couple years of preparation, geared toward a 10-day summer study in 2021 and final report by end of 2021. The Thursday morning talk and lunch town hall can be found on the indico page

<https://indico.cern.ch/event/782953/sessions/302473/#20190801>

In the next month you will receive further information on how to participate in the nomination of conveners for the working groups and site selection. This process is still under construction, however, it is clear that our primary tool for communication will be through DPF (and these newsletters), so we urge you to make sure you and your colleagues are DPF members (including graduate students and postdocs). We will also be setting up a Slack account. It is not ready yet.

47th SLAC Summer Institute

12-23 August, 2019

Dear Colleagues:

The 47th SLAC Summer Institute will take place 12-23 Aug 2019. The theme will be the broad landscape of flavor physics associated with quarks, charged leptons and neutrinos. Lectures will cover contemporary theoretical developments, current experimental results and future frontiers, as well as discussions of the various flavor puzzles and anomalies. The program will also include discussions of the fundamental origin of the Standard Model family structure and the prospects towards the next level of insight.

Lectures will be given in the mornings during both weeks. Afternoons include additional lectures and topical talks that alternate with discussion sessions, student project sessions and tours. Evening events include poster sessions and social activities.

The full program and further details can be found on the SSI website:

<https://conf.slac.stanford.edu/ssi2019>

SSI has a long tradition of offering comprehensible lectures for advanced graduate students & postdoctoral fellows while senior researchers are also welcome. Students and postdoctoral fellows are encouraged to contribute to the poster sessions.

If you have further questions, please contact us at

mherraez@slac.stanford.edu

We hope to see you at SLAC this summer for SSI 2019!

The SSI 2019 Program Directors,

Wolfgang Altmannshofer, Mark Convery, Lisa Kaufman, Greg Madejski, Su Dong, Rich Partridge, Charlie Young, and Tom Rizzo (chair)

2019 Wu-Ki Tung Award for Early-Career Research on QCD

Deadline: 15 August, 2019

Dear Colleagues,

We are pleased to announce this year's nomination phase for the 2019 Wu-Ki Tung Award for Early-Career Research on QCD. The Wu-Ki Tung award is to recognize outstanding contributions made by early-career physicists on experimental or theoretical research on Quantum Chromodynamics. The award is given annually and will consist of \$5,000, a certificate citing the contributions of the recipient and support for travel to a CTEQ Summer School to deliver an invited lecture. Nominees must have received a Ph.D. in experimental or theoretical particle physics within the last seven years, excluding any career breaks, by the time of nomination. Further details on the nomination and selection process may be found on the following website:

http://www.uic.edu/~varelas/tung_award/

We encourage you to nominate outstanding young scientists for this award. You may do so at the following website:

<https://academicjobsonline.org/ajo/jobs/13807>

The deadline for nomination is **August 15, 2019**. Nominations will remain active for one additional year and can be updated. The recipient will be selected by the CTEQ Collaboration and will be notified in December 2019.

Best regards,
Nikos Varelas, Cynthia Keppel, and Pavel Nadolsky
for the CTEQ Collaboration

2019 CERN-JINR European School of High-Energy Physics (ESHEP2019)

4-17 September, 2019

The 2019 CERN-JINR European School of High-Energy Physics (ESHEP2019) will take place in St. Petersburg, Russia, 4-17 September 2019.

The School is targeted particularly at students in experimental HEP who are in the final years of work towards their PhDs, although candidates at an earlier or later stage in their studies may be considered.

Further details are available at: <https://indico.cern.ch/event/798971/>

Regards,
Nick Ellis and Martijn Mulders
(On behalf of the Organising Committee)

MaryKFest: From Charm to Strings

21—22 September, 2019

You are invited to attend a Symposium in honor of Mary K. Gaillard hosted by the Berkeley Center for Theoretical Physics in Berkeley on September 21-22, 2019. The website for "MaryKFest: From Charm to Strings" is <https://physics.berkeley.edu/news-events/events/20190921/symposium-for-mary-k-gaillard>

Please register at <https://www.eiseverywhere.com/ereg/index.php?eventid=447551> and tell your students and postdocs about this event.

Lawrence Hall, University of California Berkeley (for the Organizing Committee)

Topics in Cosmic Neutrino Physics

9—11 October, 2019



Dear colleagues,

We announce a workshop on “Topics in Cosmic Neutrino Physics” 9—11 October 2019 at Fermilab.

<https://indico.fnal.gov/event/20434/>

Topics in Cosmic Neutrino Physics is the inaugural workshop of the Cosmic Physics Center at Fermilab. The goal of the workshop is to bring members of the neutrino physics, neutrino astrophysics, and cosmology communities together to exchange information and better understand what each is doing and what they do (and don't yet) know. The structure of the workshop will be designed to survey the core questions in each area and stimulate intense discussion/collaboration among the participants. In addition to the invited talks, there also will be discussion sessions organized around the main themes of the workshop.

We encourage you to register and to share this email with your colleagues.

We look forward to seeing you there!

Best regards,

Gordan Krnjaic, Dan Hooper, Josh Frieman, Marilena Loverde, John Beacom, Ornella Palamara, Pedro Machado, and Matthew Toups

International Workshop on Future Linear Colliders (LCWS-2019)

October 28 – November 1, 2019

Registration is now open for LCWS2019.

The 2019 International Workshop on Future Linear Colliders (LCWS 2019) will be held in Sendai, Japan, from October 28 (Monday) to November 1 (Friday) at the Sendai International Center. It follows the successful recent workshops in Strasbourg, France (LCWS 2017) and Arlington, Texas (LCWS 2018).

Registration is now open at the workshop home page:

<http://epx.phys.tohoku.ac.jp/LCWS2019/>

As with previous workshops in the series, it will cover the physics, detector, and accelerator issues of CLIC and the ILC. It comes as the European Particle Physics Strategy Update is in its final phase, and as the Japanese government approaches a decision on hosting the ILC.

There will be exhibitions and a special session on relevant industries.

The meeting coincides with the peak of autumn foliage with many popular spots in the surrounding area. Autumn is also the season for the harvest.

We're looking forward to seeing you in Sendai!

Jim Brau, Shin Michizono, Steinar Stapnes Co-chairs, LCWS 2019 Program Committee

Hitoshi Yamamoto
Chair, Local Organization Committee

20th International Workshop on Next Generation Nucleon Decay and Neutrino Detectors – NNN2019

7—9 November, 2019

Dear Colleagues,

The NNN19 workshop will be held for the first time in Latin America at the University of Medellin, Colombia, on November 7-9, 2019. These series of workshops bring together experts from across the particle physics community to discuss future large scale detectors for research on nucleon decay and neutrino physics. This year NNN will complete 20 years since its first version on 1999 at Stony Brook University, New York, USA. The workshop will consist of invited plenary talks, contributed talks in parallel sessions and a poster session addressing the following topics:

- Proton decay
- CP violation in the leptonic sector
- High intensity neutrino beams
- Supernova neutrinos
- Solar neutrinos
- Atmospheric neutrinos
- Reactor neutrinos
- Large detectors R&D

Detailed information of registration, abstract submission, accommodation and travel is provided at the workshop webpage: <http://www.nnn19medellin.com>

Important dates:

Abstract submission deadline: 6th of September 2019

Registration deadline: 15th of October 2019

If you have any questions, please feel free to reach us anytime at:

nnn19medellin@udem.edu.co

We look forward to meeting you in Colombia.

Sincerely,

Alex Tapia (Co-chair), David Martinez Caicedo (Co-chair), Richard Benavides, Diego Restrepo, Jaime Betancourt, Eduardo Rojas, David Vanegas Forero.

Instrumentation for Colliding Beam Physics (INSTR20)

24-28 February, 2020

Dear colleague,

We are pleased to inform you that the Conference "Instrumentation for Colliding Beam Physics" (INSTR20) will be jointly organized by the Budker Institute of Nuclear Physics and Novosibirsk State University and held in the Budker Institute, Novosibirsk, Russia in the period from 24 to 28 February, 2020.

Registration is already opened on the website: <http://instr20.inp.nsk.su>

You are kindly invited to participate and register at your earliest convenience. Please also inform all potentially interested colleagues and encourage them to register.

Looking forward to meeting you in Novosibirsk in February 2020.

Organizing Committee