

# March 2021 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for March 2021. This newsletter will be archived on the DPF website. If you would like an announcement included in the April 2021 newsletter, to be sent out around April 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](mailto:cvetic@physics.upenn.edu)

Julia Gonski, Early Career Member, [julia.lynne.gonski@gmail.com](mailto:julia.lynne.gonski@gmail.com)

## DPF Executive Committee Statement

The DPF Executive Committee endorses the APS [statement](#) condemning anti-Asian racism and misogyny in light of the recent killings in Atlanta last week. For people of Asian descent, particularly women of Asian descent, these killings are a painful reminder of the racism and misogyny these groups have experienced in the United States for centuries.

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## APS 2021 April Meeting

17—20 April, 2021

Final Registration Deadline: **26 March, 2021**

APS 2021 April Meeting will take place during **April 17-20, 2021**, and be virtual, see <https://april.aps.org>. The final registration deadline is **March 26, 2021**.

During the April meeting, there will be a DPF Town Hall Meeting and a DPF business meeting, both open to the general public. For those who register for the April meeting, if you wish to discuss certain issues relevant to our DPF mission, you are encouraged to submit the topics to [APSDPF@pitt.edu](mailto:APSDPF@pitt.edu) by **March 26, 2021**. You will be contacted for further arrangement.

We will organize a meeting between our early career scientists and the funding agencies DOE/NSF. There will also be a [Grad Slam](#), a presentation contest for our graduate students on their research work.

**On Saturday evening, April 17 there will be a special session by the Fermilab Muon g-2 Experiment to discuss their new results.**

All our DPF members are encouraged to register and participate in the events in the APS April meeting.

# Monthly Snowmass Newsletter

January 2021

Because of the COVID-19 pandemic, the Snowmass Report and the Community Summer Study meeting (CSS) will be delayed by one year until 2022. The overall schedule for the Snowmass process will be adjusted accordingly. After extensive consultation with our community and the frontier conveners/advisors, the Snowmass Steering Group recommends the following general guidelines for the implementation of the Snowmass delay:

- High-level activities will be on hold until the end of June, 2021. These activities include Frontier-level and Topical Group-level workshops, All-conveners meetings, Advisory Group meetings and Newsletters.
- Other Topical Group and cross-frontier activities should be either paused or reduced to a significantly lower level, proceeding only as necessary to ensure scientific continuity, meet essential programmatic needs, or maintain collaborative work with other units and communities.
  - No critical decisions will be made during the hiatus.
  - No individuals should feel obligated to participate in these activities.
- Individual, collaborative and self-organized work can continue at the discretion of the individuals involved.

All paused individual or group activities will continue to receive full consideration once the Snowmass process formally resumes.

With respect to the timelines:

- White Paper submission to arXiv: no later than March 15, 2022. Late submissions and updates are likely not to be incorporated in the working group reports, but will be included in the Snowmass on-line archive documents.
- Preliminary reports by the Topical Groups due: no later than May 31, 2022.
- Preliminary reports by the Frontiers due: no later than June 30, 2022.
- Snowmass Community Summer Study (CSS): July, 2022 at UW-Seattle.
- All final reports by TGs and Frontiers due: no later than September 30, 2022.
- Snowmass Book and the on-line archive documents due: October 31, 2022.

Additional remarks on the plans of the individual frontiers can be found in the Snowmass Newsletter of January 2021 on the [Snowmass wiki page](#).

The Snowmass Steering Group will continue to monitor the process.

## Nominations for J.J. Sakurai Prize in Theoretical Particle Physics

Nomination Deadline: **1 June, 2021**

Dear Colleague,

We are writing to encourage you to nominate a colleague or colleagues for this year's J.J. Sakurai Prize in Theoretical Particle Physics. This prize recognizes and encourages outstanding achievement in particle theory. Further details on this prize can be found at <https://aps.org/programs/honors/prizes/sakurai.cfm>.

This year's nomination deadline is June 1.

The prize consists of \$10,000, a certificate, and an allowance for travel to the American Physical Society meeting at which the prize is to be awarded. Please note that the prize selection is limited to the nomination pool. Nominations will remain active for three years.

Nominations are open to scientists of all nationalities regardless of the geographical site at which the work was done. Nominators should consider works from a diverse range of scientists, and we encourage nominations that reflect the contributions of women, members of underrepresented groups, and scientists from outside the United States.

Information about nomination procedures can be found at <https://www.aps.org/programs/honors/nomination.cfm>.

With best regards,

Neal Weiner (Chair)  
Vernon Barger  
Lance Dixon  
Bogdan Dobrescu  
Shufang Su  
(2022 J.J. Sakurai Prize Selection Committee)

## Nominations for Henry Primakoff Award for Early-Career Particle Physics

Nomination Deadline: **1 June, 2021**

We would like to invite nominations for the 2021 Henry Primakoff Award for Early-Career Particle Physics. The nomination deadline is June 1, 2021. This award recognizes outstanding elementary particle physics research performed by a physicist who obtained their Ph.D. within seven years of the current nomination deadline, plus any career breaks. The award covers particle physics in the broad sense, both theory and experiment, including, for example, particle astrophysics and string theory. Learn more about the Primakoff Award and read the rules for submission of nominations at <https://www.aps.org/programs/honors/awards/primakoff.cfm>.

Information about nomination procedures can be found at <https://www.aps.org/programs/honors/nomination.cfm>.

Primakoff Award Committee:

Ed Blucher  
Brenna Flaughner  
Rafael Lang  
Henriette Elvang  
LianTao Wang  
Jaroslav Trnka

## Nomination of Candidates for the Robert R. Wilson Prize Nomination

Deadline: **1 June, 2021**

The Robert R. Wilson Prize is intended to recognize and encourage outstanding achievement in the physics of particle accelerators. The Prize consists of \$10,000, an allowance for travel to the meeting at which the Prize is awarded and a certificate citing the contributions made by the recipient. The deadline for the nomination is Monday, June 1, 2021. The nomination should include a vitae and a description of the accomplishments of the nominee. At least two but not more than four supporting letters will help the selection committee in their deliberations. Serving a diverse and inclusive community of physicists worldwide is a primary goal for APS. Nominations of women, members of underrepresented minority groups, and scientists from outside the United States are especially encouraged. These nominations are open to scientists of all nations regardless of the geographical site at which the work was done. The prize shall ordinarily be awarded to one person but may be shared when all recipients have contributed to the same accomplishment. The prize will normally be awarded for contributions made at an early stage of the recipient's career. Nominations are active for three years. More details and instructions for the nomination process can be found at <https://aps.org/programs/honors/prizes/wilson.cfm>. Feel free to contact Mei Bai, chair of the 2022 APS Wilson Prize Selection Committee.

Information about nomination procedures can be found at <https://www.aps.org/programs/honors/nomination.cfm>.

2022 Selection Committee Members:

Mei Bai (Chair)

Patrick McBride (Vice-Chair)

Cameron Geddes

Sekazi Mtingwa

Stephen Peggs

Alexander Valishev

Eric Zimmerman

## Nomination of Candidates for the W.K.H. Panofsky Prize in Experimental Particle Physics

Deadline: **1 June, 2021**

We invite nominations for the 2022 W.K.H. Panofsky Prize. This \$10,000 prize recognizes outstanding achievements in Experimental Particle Physics. It is normally awarded to one person but may be shared by multiple recipients who have contributed to the same accomplishment.

The deadline for nomination is **June 1, 2021**. Detailed information about this prize and nomination can be found at: <https://www.aps.org/programs/honors/prizes/panofsky.cfm>.

## Nominations for APS Fellowship

Deadline: 1 June, 2021

The APS Fellowship Program was created to recognize members who may have made advances in physics through original research and publication or made significant innovative contributions in the application of physics to science and technology. They may also have made significant contributions to the teaching of physics or service and participation in the activities of the Society.

Fellowship is a distinct honor signifying recognition by one's professional peers. Each year, no more than one half of one percent of the Society's membership (excluding student members) is recognized by their peers for election to the status of Fellow of the American Physical Society.

For more information see: <https://www.aps.org/programs/honors/fellowships/index.cfm>.

### Nomination Process

Candidates for Fellowship must be an APS member in good standing at the time of nomination submission. The criterion for election is exceptional contributions to the physics enterprise; *e.g.*, outstanding physics research, important applications of physics, leadership in or service to physics, or significant contributions to physics education.

Each nomination is evaluated by the Fellowship committee of the appropriate APS division, topical group or forum, or by the APS General Fellowship committee. After review by the full APS Fellowship Committee, the successful candidates are elected by APS Council.

The membership of APS is diverse and global, and the Fellows of the APS should reflect that diversity. Fellowship nominations of women, members of underrepresented minority groups, and scientists from outside the United States are especially encouraged.

[Submit a 2021 Fellowship Nomination](#)

# Phenomenology 2021 Symposium (PHENO 2021)

24-26 May, 2021

Registration Deadline: **23 May, 2021**

virtual online

The 2021 Phenomenology Symposium (PHENO 2021) will take place during May 24-26, 2021, virtual online, organized by the PITT PACC at the University of Pittsburgh.

The Symposium will cover current issues in particle physics phenomenology, theoretical developments, and recent experimental results, ranging from low energy phenomena over collider physics to astro-particle physics and cosmology. The Symposia are attended by experimental and theoretical physicists in roughly equal numbers, with a large number of junior participants. The broad plenary and parallel sessions provide an excellent forum for discussions. There will be a “Forum on early career development” on Monday at lunchtime.

The registration and parallel talk submission are open now. Parallel talk submission deadline is April 26, 2021, and the registration free of charge will end May 23, 2021.

For registration and further information, please visit the web site at <https://indico.cern.ch/event/982783/>.

We look forward to seeing you at Pheno 2021!

Pheno 2021 organizers: Ayres Freitas, Joni George, Tao Han (chair), Adam Leibovich, Cédric Weiland, Benjamin Carlson, Brian Batell, Akshay Ghalsasi and Keping Xie



The image is a promotional poster for the PHENO 2021 symposium. It features a photograph of a tall, Gothic-style building at the University of Pittsburgh, partially obscured by green trees in the foreground. The text "PHENO 2021" is written in a large, red, serif font at the top, with "AFTER WINTER COMES SPRING" in a smaller, red, serif font below it. At the bottom of the image, there are two circular logos: the University of Pittsburgh logo on the left and the PITT PACC logo on the right. The PITT PACC logo includes the text "PARTICLE PHYSICS ASTROPHYSICS AND COSMOLOGY".

**Latest topics in Particle Physics  
and related issues in  
Astrophysics and Cosmology**

[indico.cern.ch/e/pheno21](https://indico.cern.ch/e/pheno21)

May 24-26, 2021  
(Virtual)  
University of Pittsburgh

**Organizers:**  
Brian Batell      Tao Han (chair)  
Benjamin Carlson      Adam Leibovich  
Ayres Freitas      Cédric Weiland  
Joni George      Keping Xie  
Akshay Ghalsasi

**Program Advisors:**  
Vernon Barger      Vittorio Paolone  
Lisa Everett      Tilman Plehn  
Kaoru Hagiwara      Vladimir Savinov  
JoAnne Hewett      Xerxes Tata  
Tae Min Hong      Andrew Zentner  
Arthur Kosowsky      Dieter Zeppenfeld  
James Mueller

# 28<sup>th</sup> International Workshop on Weak Interactions and Neutrinos

First Announcement  
7-12 June, 2021  
Registration Deadline: **15 April, 2021**

The goal of the 28<sup>th</sup> International Workshop on Weak Interactions and Neutrinos (WIN 2021) is to offer to the community a significant opportunity to assess the status of the field and to initiate collaborative efforts to address current physics questions. Following up on previous successful workshops, most recently in Heidelberg (2015), Irvine (2017) and Bari (2019), WIN 2021 will be held Monday June 7, 2021 to Saturday June 12, 2021. Due to international travel uncertainties, WIN 2021 will be entirely online with sessions between 1300 and 1700 GMT.

Required **no cost** registration and additional information about the Workshop are now available at the WIN 2021 website (<http://win2021.umn.edu>).

The topics for WIN 2021 are:

- Neutrino Physics
- Electro-Weak Symmetry Breaking and Higgs
- Flavor Physics
- Astroparticle Physics

The names and contact information for theoretical and experimental Conveners for each of these four topics are listed on the WIN 2021 website.

Participation opportunities for WIN 2021 include:

- Plenary highlight talks
- Recorded talks posted in advance (asynchronous talks) and a live discussion panel
- Virtual poster sessions

Participants interested in proposing contributions should submit abstracts using the Workshop Indico link <https://indico.fnal.gov/event/win2021/>.

Please direct questions to the Organizing Committee at [win2021-loc@umn.edu](mailto:win2021-loc@umn.edu).

## 49<sup>th</sup> SLAC Summer Institute

16-27 August, 2021

Dear Colleagues:

The 49th SLAC Summer Institute will take place 16-27 Aug 2021. The theme for this year's installment is "The Higgs State Fair" and will broadly cover issues related to the physics of the Higgs sector in the Standard Model and beyond.

Due to the ongoing COVID-19 pandemic, this year's SSI will take the form of a series of on-line lectures given via Zoom. Registration (which is free) is still requested of all attendees. The full program and further details can be found on the SSI webpage:

<https://conf.slac.stanford.edu/ssi2021>

SSI has a long tradition of offering comprehensible lectures for advanced graduate students & postdoctoral fellows while senior researchers are always welcome. If you have further questions, please contact us at [ssi@slac.stanford.edu](mailto:ssi@slac.stanford.edu).

We hope to see you (virtually!) at SLAC this summer for SSI 2021!

The SSI 2021 Program Directors,

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