

January 2020 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for January 2020. This newsletter will be archived on the DPF website.

If you would like an announcement included in the February newsletter, to be sent out around February 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 and Summer Study

The Division of Particles and Fields of the American Physical Society announces the Frontier Conveners of the next HEP Community Planning Exercise (a.k.a. “Snowmass”) and the site and dates of the 2021 Snowmass Summer Study.

Dates and Site for the Summer Study: The dates for the summer study are **July 11-20, 2021**. This workshop will take place at the University of Washington, Seattle, and will be modeled after the successful Snowmass 2013 event. The local organizing committee will be co-chaired by Shih-Chieh Hsu and Gordon Watts.

The Snowmass Community Planning Process is organized by the Division of Particles and Fields of the APS. In order to coordinate efforts across divisions, a steering committee, consisting of the DPF executive committee with representatives from DAP, DPB, DNP, and DGRAV, meets regularly. Snowmass is an opportunity for the entire HEP community to come together to identify and document a vision for the future of particle physics in the U.S. and with its international partners. Workshops will be organized over the next year and a half, culminating in a 2021 summer study that pulls all the work together. Snowmass provides input to HEPAP through its prioritization panel, P5, ultimately producing advice on future projects and scientific programs to the agencies under a set of funding scenarios.

Input to the Process: Your contributions and participation will naturally occur as part of one or more working groups directed by the conveners. There will be a Town Hall meeting during the APS April meeting (**5:30 pm – 7:00 pm on Saturday, April 18**) for us to communicate with you and to receive your feedback: you can participate remotely by ZOOM. You are also welcome to provide input and suggestions on the Slack channel (<https://snowmass2021.slack.com/>) and the Snowmass wiki (https://snowmass-wiki.fnal.gov/wiki/Main_Page), which will have pages dedicated to each frontier. You will be able to use these platforms to comment throughout the entire process from subtopics to workshop planning schedules. If you are an early career scientist, we encourage you to join the “Snowmass Young” mailing list (snowmass-young@fnal.gov) by emailing to listserv@listserv.fnal.gov with the body of the message **“Subscribe snowmass-young YOUR NAME”** and with no subject. We aim for everyone’s voice to be heard.

Sincerely,

Young-Kee Kim (DPF Chair)

Tao Han (DPF Chair-Elect)

Joel Butler (DPF Vice-Chair)

Priscilla Cushman (DPF Past Chair)

Snowmass Conveners

Conveners of Frontiers: We appreciate your strong participation in the Frontier convener nomination process. The selected Frontier conveners are listed below. Over the next three months, they will be meeting together with the Snowmass Steering Committee to determine the next steps. The main task before the APS April meeting is for the conveners to revise the initially proposed topics and select topical sub-conveners within their frontiers. All frontiers have three co-conveners, except for Community Involvement, which will follow a different model of engagement due to the very broad range of topics under its umbrella. All sub-conveners need to be approved by the Steering Committee and their choice should be guided by, but not strictly limited to, the names included in the spreadsheet of nominations that was collected from the community during the original convener nomination process.

Frontier	Co-Conveners		
Energy Frontier	Meenakshi Narain	Laura Reina	Alessandro Tricoli
Frontiers in Neutrino Physics	Patrick Huber	Kate Scholberg	Elizabeth Worcester
Frontiers in Rare Processes and Precision Measurements	Marina Artuso	Bob Bernstein	Alexey Petrov
Cosmic Frontier	Aaron Chou	Marcelle Soares Santos	Tim Tait
Theory Frontier	Nathanial Craig	Csaba Csaki	Aida El-Khadra
Accelerator Science and Technology Frontier	Steve Gourlay	Tor Raubenheimer	Vladimir Shiltsev
Instrumentation Frontier	Phil Barbeau	Petra Merkel	Jinlong Zhang
Computational Frontier	Steve Gottlieb	Oliver Gutsche	Ben Nachman
Underground Facilities and Infrastructure	Jeter Hall	Kevin Lesko	John Orrell
Community Involvement	Ketevi Assamagan	Breese Quinn	

Conference on Neutrino and Nuclear Physics 2020 (CNNP2020)

24-28 February 2019

Abstract Deadline: 30 October, 2019 - Passed

Opening of registration & Abstracts extension

The International Conference on Neutrino and Nuclear Physics 2020 (CNNP2020) is the second in the CNNP series and will be held from **24-28 February 2020** in South Africa, hosted by iThemba LABS. This conference will bring the nuclear and neutrino communities together in order to exchange ideas and results and build on the very successful inaugural CNNP conference held in Catania, Italy, in October 2017.

We are pleased to announce that the registration process for CNNP2020 opened on 1 October 2019. Furthermore, please note that the period for abstract submissions has passed.

For more information, including the list of confirmed invited speakers, please visit <https://indico.tlabs.ac.za/event/85/> or contact us at cnp2020@tlabs.ac.za.

Local Organizing Committee, CNNP2020

Instrumentation for Colliding Beam Physics (INSTR20)

24-28 February, 2020

Registration deadline: 13 January, 2020, **PASSED**

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

IUPAP C11 Young Scientist Prize 2020

Open for Nominations – **Deadline: 1 February, 2020**

The Commission on Particles and Fields (C11) of IUPAP solicits nominations of outstanding young experimental or theoretical particle physicists for the two 2020 Young Scientists Prizes. The prizes, each consisting of an IUPAP medal and a cash (€1000) award, will be presented at the 39th International Conference on High Energy Physics, Prague, Czech Republic on July 30 – August 5, 2020.

Candidates for the prize should have a maximum of 8 years of research experience (excluding career interruptions) following the PhD.

Nominations for the IUPAP Particles and Fields Young Scientist Prize:

- can be made by experimental or theoretical particle physicists who know the work of the nominee well and include a citation statement; and
- should consist of a minimum of two and a maximum of three letters explaining the nominee's qualifications and scientific achievements, a complete CV and a list of publications.

The nominator should collect materials, including reference letters, and upload them using the site: <https://indico.cern.ch/e/c11-ysp-2020>.

Note: Nominations are tied to a unique nominator e-mail in the system. Should a nominator wish to propose additional candidates, please be aware that a different e-mail address would be needed for each nomination.

Additional information is available at <https://iupap.org/commissions/c11-particles-and-fields/c11-news/>.

All material should be submitted before **February 1, 2020 at 12:00pm CET**.

Heidi Schellman and Florencia Canelli, Chair and Secretary of IUPAP-C11

DPF Grad Slam at the APS April Meeting

Application Deadline: 28 February, 2020

DPF Grad Slam is an APS DPF-sponsored competition designed to showcase graduate student research in three-minute talks. The application deadline is **Friday, February 28**. The finalists for the competition at the April Meeting will be informed on March 10. More info including the application process will be posted at <https://sites.google.com/umich.edu/dpf-gradslam/home>.

Eligibility: All graduate students who are DPF members and have submitted abstracts for the 2020 APS April meeting.

Visuals: PowerPoint slides with maximum of a few slides. In cases of collaborative research, the presenter's contribution to the project must be salient and clearly specified.

Timing: Timing will commence from the moment the student starts talking. Speakers will be cut off at 3 minutes.

Judging: The preliminary round will be conducted by a panel of DPF members (faculty members / lab scientists, postdocs and students) based on the application materials: a title and abstract. The finalists will compete live before the panel and April meeting participants during lunch time on **Saturday April 18**.

Presenters are judged on the basis of having a clear and effective presentation that has demonstrable intellectual significance. A score between 1 point (poor) and 5 points (excellent) will be used for each of the following criteria. The total maximum score will be 30 points.

- **Clarity:** Did the speaker provide adequate background knowledge to make the talk and the importance of the project understandable?
- **Organization:** Did the presentation follow a clear and logical sequence?
- **Delivery:** Pace, enthusiasm, confidence, body language, eye contact, etc.
- **Visuals:** Did the slides enhance the presentation and help to emphasize the primary points of the talk? Were the slides well-designed, clear, legible, and concise?
- **Intellectual Significance:** Did the speaker explain why her/his project matters (for example, its significance to the field of particle physics)?
- **Engagement:** To what extent did the talk speak to your intellectual curiosity? Did it make you want to learn more about the topic?

Winners: Three winners will receive certificates and 2021 APS memberships.

Neutrino 2020

June 22-27 in Chicago, Illinois, USA
Early bird registration deadline: **28 February, 2020**

The [XXIX International Conference on Neutrino Physics and Astrophysics \(Neutrino 2020\)](https://conferences.fnal.gov/nu2020/) will be held June 22-27 in Chicago. Early bird registration for the conference closes on February 28. Hotels will be in very high demand in downtown Chicago during the summer, so conference participants are strongly encouraged to book at the special reduced rate at the [Hyatt Regency Chicago](https://conferences.fnal.gov/nu2020/) as early as possible. The scientific program will consist of invited plenary talks and contributed poster presentations covering a broad range of topics in neutrino physics. Poster abstract submission is now open. Further information on registration, poster abstract submission, accommodations, visas, financial support, and other details can be found on the conference website: <https://conferences.fnal.gov/nu2020/>.

Key dates:

- * **February 28:** early bird registration deadline
- * **March 15:** financial assistance application deadline
- * **April 1:** poster abstract deadline
- * **May 20:** registration closes

Sincerely,
Steve Brice, Marvin Marshak, Sam Zeller
for the Neutrino 2020 Local Organizing Committee
[email: nu2020@fnal.gov](mailto:nu2020@fnal.gov)

DPF Mentorship Award

Nomination Deadline: **1 March, 2020**

The Division of Particles and Fields of the American Physical Society is pleased to announce that the Call for Nominations for the 2020 Mentoring Award is now open.

This APS Unit Award is intended to recognize those who have had an exceptional impact as mentors of particle-physics scientists and students. This mentoring could be through teaching or research or science-related activities and is meant to recognize current achievements, as well as those spanning a career.

Examples of contributions honored by this award include:

- exceptional mentoring of early career particle physicists;
- sustained commitment to mentoring early career particle physicists from traditionally under-represented backgrounds;
- a leadership role in developing early career research and career development activities.

Successful applications have included letters from students, post-docs, and faculty members.

Early career particle physicists include undergraduate and graduate students, postdoctoral scholars, and professionals early in their careers, such as assistant professors or assistant scientists. The award will consist of a certificate indicating the citation chosen by the selection committee, to be awarded at the next DPF Meeting. DPF will reimburse reasonable travel expenses for travel to the award ceremony.

Nomination packets should consist of at least three but not more than four letters supporting the nomination, a cover letter, and a brief biographical sketch or CV of the candidate. It must also include a list of past and current mentees, as well as their contact information wherever possible. Some past mentees may be contacted during the review process. At least two of the letters should be submitted by individuals who have benefited from the mentoring experience. Nominations must be individual (no team nominations) and only one nomination per candidate will be accepted (no multiple nominations). There are no time limitations on contributions that can be recognized by this award. Nominations will be active and considered for three years.

Nominations for the 2020 award will be accepted through Academic Jobs Online (AJO) through March 1, 2020 at <https://academicjobsonline.org/ajo/jobs/15094>

Click the "Nominate" link and you will be guided through the process. Nominators should submit the cover letter and a biographical sketch or CV along with names and email addresses of the letter-writers. Contact the Committee if you experience difficulties with the site or have questions.

2020 Award Committee:

Bonnie Fleming, Chair, Yale U.

Mirjam Cvetič, U. of Pennsylvania

Ken Heller, U. of Minnesota

Pearl Sandick, U. of Utah

Tim Tait, U of California, Irvine

XIV International Conference on Interconnections between Particle Physics and Cosmology (PPC2020)

18-22 May, 2020

Abstract Submission Deadline: 1 March, 2020

Early Registration Deadline: 1 April, 2020

Late Registration Deadline: 4 May, 2020

Dear Colleagues,

The XIV International Conference on Interconnections between Particle Physics and Cosmology (PPC2020) will take place during the week of May 18-22, 2020 on the campus of the University of Oklahoma in Norman, OK, USA.

The conference includes an exciting lineup of plenary speakers along with opportunities to present parallel session talks.

Please see our website: <http://www.ou.edu/ppc> for information on registration, lodging and travel.

Also, the Indico site at <https://indico.cern.ch/event/822029/> is available for submission of abstracts.

For further information, contact any of the local organizing committee:

<http://www.ou.edu/ppc/contact> .

TASI-2020

1-26 June, 2020

Application Deadline: **1 March, 2020**

TASI-2020 will be held at the University of Colorado, June 1-26 2020. This year's title is **The Obscure Universe: Neutrinos and Other Dark Matters** and the organizers are Andre De Gouvea (Northwestern U.) Heather Logan (Carleton U.)

The program will consist of a pedagogical series of lectures and seminars. Lectures will be given over a four-week period, three or four lectures per day, Monday through Friday. The audience will be composed primarily of advanced theoretical graduate students. Experimentalists with a strong background in theory are also encouraged to apply. We hope to provide some subsidy, but students will need partial support from other sources. Rooms, meals, and access to all facilities will be provided at reasonable rates in dormitories at the University of Colorado. The deadline for applications will be **March 1 2020**. The URL with more information is <https://www.colorado.edu/physics/TASI> or email TASI@colorado.edu.