

US Snowmass 2021

- ① Define the most important questions for HEP & related fields
- ② Identify the most promising opportunities to address these questions in a global context

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Snowmass 2021 (USA)

Over the next year, the U.S. particle physics community will be engaged in Snowmass 2021, an in-depth process to define the most important questions for our field and to identify the most promising opportunities to address these questions in a global context. The process will have its roots in a series of preparatory meetings organized by Snowmass conveners, starting with a [Snowmass Planning Meeting at Fermilab on November 4 - 6, 2020](#), and ending with a [Snowmass Summer Study at the University of Washington, Seattle, on July 11 - 20, 2021](#).

To optimally engage all participants in the process, the Division of Particles and Fields **invites the international community to submit written documents** as described below. Given the increasing importance of interdisciplinary work in related fields such as astrophysics, cosmology, gravity, nuclear physics, accelerator physics, AMO, and materials science, members of the Divisions of Astrophysics, Gravitational Physics, Nuclear Physics, Physics of Beams and members of other units with a connection to particle physics are strongly encouraged to participate in this process.

Input to Snowmass 2021: Letters of Interest

Letters of Interest (submission period: April 1, 2020 – August 31, 2020)

Letters of interest allow Snowmass conveners to see what proposals to expect and to encourage the community to begin studying them. They will help conveners to prepare the Snowmass Planning Meeting that will take place on [November 4 - 6, 2020 at Fermilab](#). Letters should give brief descriptions of the proposal and cite the relevant papers to study. Instructions for submitting letters are available at <https://snowmass21.org/loi>

Letters of Interest

- The purpose of letters of interest is to allow Snowmass conveners to see what proposals are coming and to encourage the community to begin studying them. Letters of Interest should give brief descriptions of the proposal and cite the relevant papers to study. These letters will help conveners to prepare the Snowmass Planning Meeting that will take place on November 4-6, 2020 at Fermilab.
- The letters should be up to 2 pages not including bibliography and should be uploaded by authors between April 1, 2020 and August 31, 2020. An index of submitted letters can be viewed. The letters will be stored permanently in the Fermilab archive Doc.db shortly after August 31, 2020.
- Authors of the letters are encouraged to make a full writeup for their work and submit it to the Snowmass proceedings according to the instructions.

Input to Snowmass 2021: Contributed Papers

Contributed Papers (submission period: April 1, 2020 – July 31, 2021)

Contributed papers will be part of the Snowmass proceedings. They may include white papers on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities, including those related to community involvement. These papers and discussions throughout the Snowmass process will help shape the long-term strategy of particle physics in the U.S.

Contributed papers will remain part of the permanent record of Snowmass 2021. Instructions for submitting contributed papers are available at <https://snowmass21.org/submissions/>

Contributions to Snowmass 2021

These pages provide an index to papers submitted to the Snowmass 2021 Proceedings. These papers may include white papers on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities, including those related to community involvement.

Submitted papers will remain part of the permanent record of Snowmass 2021. More ephemeral articles, including the 2-page “Letters of Interest” requested by the DPF, should be presented through a different process, [explained here](#).

Index to Submitted Papers, by Frontier

[Energy Frontier \(EF\)](#) (0)

[Neutrino Physics Frontier \(NF\)](#) (2)

[Rare Processes and Precision Measurements \(RF\)](#) (0)

[Cosmic Frontier \(CF\)](#) (1)

[Theory Frontier \(TF\)](#) (0)

[Accelerator Science and Technology Frontier \(AF\)](#) (1)

[Instrumentation Frontier \(IF\)](#) (1)

[Computational Frontier \(CompF\)](#) (0)

[Underground Facilities and Infrastructure \(UF\)](#) (0)

[Community Involvement \(CommF\)](#) (0)

Snowmass 2021 (USA)

DPF Executive Group

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Editor

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Communication Liaison

Robert Bernstein, Fermilab

Technical Liaison

Sergei Chekanov, Argonne National Laboratory

Representatives from the International Community

To be determined

Snowmass 2021 (USA)

<https://snowmass21.org/>

DPF Community Planning Process

Various workshops will be organized by Frontier Conveners. Workshop locations will be chosen to maximize “inclusiveness” based on accessibility and economic consideration. For all the meetings and workshops, we will make sure that we are inclusive to those who participate remotely and we will have a special session to discuss APS efforts for openness and the importance of open international collaboration.

Agenda and presentations: <https://indico.fnal.gov/category/1098/>

News Highlight: Upcoming meeting

•A **virtual Town Hall meeting** will take place at the original schedule (5:30 pm – 7:00 pm EDT on Saturday, April 18). We will provide a status report and receive your feedback. ZOOM connection by Web: <https://uchicagogroup.zoom.us/j/170161490> or by Phone: 877 853 5257, 888 475 4499, or your local number at <https://uchicagogroup.zoom.us/j/170161490> (Meeting ID: 170 161 490)

Code of Conduct for APS Meetings

It is the policy of the American Physical Society (APS) that all participants, including attendees, vendors, APS staff, volunteers, and all other stakeholders at APS meetings will conduct themselves in a professional manner that is welcoming to all participants and free from any form of discrimination, harassment, or retaliation.

Participants will treat each other with respect and consideration to create a collegial, inclusive, and professional environment at APS Meetings. Creating a supportive environment to enable scientific discourse at APS meetings is the responsibility of all participants.

Participants will avoid any inappropriate actions or statements based on individual characteristics such as age, race, ethnicity, sexual orientation, gender identity, gender expression, marital status, nationality, political affiliation, ability status, educational background, or any other characteristic protected by law. Disruptive or harassing behavior of any kind will not be tolerated. Harassment includes but is not limited to inappropriate or intimidating behavior and language, unwelcome jokes or comments, unwanted touching or attention, offensive images, photography without permission, and stalking.

Violations of this code of conduct policy should be reported to meeting organizers, APS staff, or the APS Director of Meetings. Sanctions may range from verbal warning, to ejection from the meeting without refund, to notifying appropriate authorities. Retaliation for complaints of inappropriate conduct will not be tolerated. If you observe inappropriate comments or actions and personal intervention seems appropriate and safe, they should be considerate of all parties before intervening.

Snowmass 2021 (USA)

<https://snowmass21.org/>

Plan

decide what projects and areas at IHEP to focus on

designate persons to take up the responsibilities to prepare the documents

submit contributions, update archive, organize activities, ...

attend workshops, request and make presentations, participate in discussion

(opportunities for our young staff, postdocs, and students to learn and to engage)

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Schedule

LOI: present - August 31, 2020

Contributed papers: present - July 31, 2020

various workshops up to July 2021, when the 2021 Snowmass Summer Study (July 11 - 20, 2021 at UW Seattle) will take place

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