

Introductory remarks

João Guimarães da Costa, Jianchun Wang

May 20, 2020



中國科學院高能物理研究所

*Institute of High Energy Physics
Chinese Academy of Sciences*



CEPC-related Events

- **CEPC MDI Workshop, May 28-29**
 - International workshop being organized by Hongbo. Video only.
 - <https://indico.ihep.ac.cn/event/11801/>
- **CEPC international workshop on Oct. 26-28, 2020**
 - Meeting will be in Shanghai this year. Haijun is chairing the organization.
 - Goal is to have an in-person meeting, if at all possible.
 - Foreigner participants can attend by video, if not possible to be in person
 - CEPC Scientific Program Committee has been formed and will meet
 - Updates should come in the next month or so



US Snowmass, 2021

<https://indico.fnal.gov/category/1098/>

- **What is the Snowmass process?**

- Preparation for the US Snowmass 2021 has started. This is the process that defines the US physics plans for the next ~5 years. The outcome of it feeds into the P5 committee, that compiles the scientific guidelines for US HEP program.

- **Letters of Intent**

- CEPC will submit four Letters of Interest (LOI) to US Snowmass (2021) that cover four main CEPC-SppC areas (each of the LOIs is 2 pages in length)
 - CEPC e+e- Detector R&D and experiment (Joao, Jianchun Wang, Manqi Ruan)
 - CEPC Physics and simulation (Liantao Wang (+Hong Qing))
 - CEPC e+e- Accelerator (Jie GAO (+Yulong Chi))
 - SppC accelerator superconducting magnet R&D (Qingjin Xu)
 - Submission goal date: June 3 (Deadline August 31)

- **Contributed papers**

- Papers submission will be considered for publication in the Snowmass 2021 Proceedings
 - <https://snowmass21.org/submissions/start>
 - "... 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."
- This is a community effort, anyone can submit papers
- Tasked to work together with CEPC sub-detector conveners to select topics and produce the papers
- Schedule:
 - First draft of contributed papers, June 10
 - Aim at submitting by July 1
 - Ultimate deadline is July 31



US Snowmass, 2021

<https://indico.fnal.gov/category/1098/>

Advisory Group	15 events	➡
Energy Frontier	19 events	➡
Neutrino Physics Frontier	4 events	➡
Rare Processes and Precision Frontier	1 event	➡
Cosmic Frontier	empty	➡
Theory Frontier	empty	➡
Accelerator Frontier	1 event	➡
Instrumentation Frontier	2 events	➡
Computational Frontier	4 events	➡
Underground Facilities Frontier	empty	➡
Community Frontier	8 events	➡
Workshops	1 event	➡



US Snowmass, 2021

Energy Frontier: <https://indico.fnal.gov/category/1100/>

Invitation for the CEPC community to join the kick-off meeting tomorrow

Dear all,

We are pleased to announce the Kick-off meeting of the Energy Frontier group of the next US HEP Community Planning Exercise (a.k.a. Snowmass 2021).

The meeting will be held on May 21, 2020.

We invite you to join the activities of this group.

The agenda for the Kick-off meeting is posted at: <https://indico.fnal.gov/event/24264/>

The meeting will be virtual only and we encourage you to please register.

More information about the Energy Frontier, and the Snowmass process is posted on the webpage (<https://snowmass21.org/energy/start>) and also included below.

Please join the email lists and Slack channels for meeting announcements and discussions.

Looking forward to seeing you there.

Regards,

Alessandro, Laura and Meenakshi

(Energy Frontier Co-conveners)



US Snowmass, 2021

Energy Frontier: <https://indico.fnal.gov/category/1100/>

Invitation for the CEPC community to join the kick-off meeting tomorrow

The organization of the Energy Frontier consists of **ten Topical Groups** focusing on both Standard Model and Beyond Standard Model physics. Conveners for each Topical Group are now in place. These topical groups will carry out (and compile) detailed studies of **Electroweak (EW) physics, QCD and strong interactions, and Beyond-Standard-Model (BSM) physics** under different future accelerator scenarios, including lepton-lepton, hadron-hadron, and lepton-hadron colliders. They will be announcing their plans and meetings in the near future. We encourage participation and contributions to the EF Topical Groups' activities. Please join the topical group(s) of your interest.

- [EF01: EW Physics: Higgs Boson properties and couplings](#)
- [EF02: EW Physics: Higgs Boson as a portal to new physics](#)
- [EF03: EW Physics: Heavy flavor and top quark physics](#)
- [EF04: EW Precision Physics and constraining new physics](#)
- [EF05: QCD and strong interactions: Precision QCD](#)
- [EF06: QCD and strong interactions: Hadronic structure and forward QCD](#)
- [EF07: QCD and strong interactions: Heavy ions](#)
- [EF08: BSM: Model specific explorations](#)
- [EF09: BSM: More general explorations](#)
- [EF10: BSM: Dark Matter at colliders](#)