

Meeting of All Frontier Conveners & Advisors

November 8, 2021

Monday @ 2:00 pm US Eastern Time

Next: Dec. 6, 2021

(reoccurring every 4 weeks)

Meeting slides are uploaded at the Snowmass indico:

<https://indico.fnal.gov/category/1271/>

Announcement

- APS **DPF Executive Committee** election results out:
Congratulations and welcome our new Advisor Group members!
 - Councilor, Robert Bernstein (Fermilab);
 - Vice Chair, André de Gouvêa (Northwestern U.);
 - Secretary/Treasurer, Tulika Bose (University of Wisconsin-Madison);
 - Executive Committee Members-at-Large, Heather Gray (UC Berkeley/LBNL) and Kendall Mahn (Michigan State University);
 - Early Career Member, Julia Gonski (Columbia U./Nevis Laboratories).

Snowmass November Newsletters

Please help update your frontier's news:

https://docs.google.com/document/d/1wMewqC0KlqINNba8mR3pkzaOGgud_HdwKpylwaexp4w/edit

Announcement

- **NAC ASTRO2020** report is out

<https://nap.edu/resource/26141/interactiv/>

Pathways to Discovery in Astronomy and Astrophysics for the 2020s

Contents

SUMMARY

1	PATHWAYS FROM FOUNDATIONS TO FRONTIERS	1-1
2	A NEW COSMIC PERSPECTIVE	2-1
3	THE PROFESSION AND ITS SOCIETAL IMPACTS: GATEWAYS TO SCIENCE, PATHWAYS TO DIVERSITY, EQUITY, AND SUSTAINABILITY	3-1
4	OPTIMIZING THE SCIENCE: FOUNDATIONS	4-1
5	EVALUATING AND BALANCING THE OPERATIONAL PORTFOLIO	5-1
6	TECHNOLOGY FOUNDATIONS AND SMALL AND MEDIUM-SCALE SUSTAINING PROGRAMS	6-1
7	REALIZING THE OPPORTUNITIES: MEDIUM- AND LARGE-SCALE PROGRAMS	7-1

**Looking forward to
NAC EPP2021**

Announcement

- **HEPAP Meeting** took place on Nov. 1-2.
SG updated the Snowmass activities
<https://indico.fnal.gov/category/1271/>

Upcoming frontier-level meetings

- **Week Feb. 13, Instrumentation Frontier, Stony Brook**
- **Feb. 23 – 25, TF, KITP-UCSB: hybrid meeting**
- **March 16 – 18, NF, ORNL: virtual meeting**
- **March 27, EF, Brown U**
- **May 16 – 19, RPF, Cincinnati: hybrid meeting**
- **May 24 - 26, CEF, BNL**



Preparatory meetings are important:

- Assess where we are: physics and projects
- Identify our decadal goals
- Opportunity/strategy to reach the goals

Contributed (white) paper submission

- They are specific contributions to Snowmass.
- They include documents on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities.
- They form the basis for the Snowmass write-ups and documents.

Index to Submitted Papers, by Frontier

- Energy Frontier (EF) (12)
- Neutrino Physics Frontier (NF) (3)  Anticipated submissions
- Rare Processes and Precision Measurements (RF) (3)
- Cosmic Frontier (CF) (4)
- Theory Frontier (TF) (5)  Anticipated submissions
- Accelerator Science and Technology Frontier (AF) (2)
- Instrumentation Frontier (IF) (4)
- Computational Frontier (CompF) (5)
- Underground Facilities and Infrastructure (UF) (0)
- Community Engagement Frontier (CEF) (0)
- Contributed paper submission database compiled by SEC

Announcement

Lecture series

- SEC “Big Question Colloquia” <https://indico.fnal.gov/event/51595/> ; https://www.youtube.com/channel/UCFzOxX28tsZ32_j43oe5XFw
- Frontier/TG topics on “Big questions”
 - Future colliders
 - FNAL muon campus
 - FPF
 -

Community Summer Study (CSS)

July 17 – 26, 2022 @ UW – Seattle

CSS Program Committee:



Snowmass funding proposals to DOE/NSF being prepared

Close contact with the agency “contact persons”

Update reports presented at the CSS PC meeting on Oct. 27

Plans for the proposal submissions by the end of November

Now Gordon & Joel ...

Snowmass Timelines

