SnowMass2021

Please stay muted and keep video off except when presenting or called on after raising hand.

APS DIVISION OF PARTICLES & FIELDS

DPF Core Principles and Community Guidelines (CP&CG)

- By participating in this meeting, you agree to adhere to the CP&CG
  - **Respect and support community members**
  - **Commit to constructive dialogue and take initiative**
  - Details of what this means, expectations for behavior, and accountability procedures are provided in the CP&CG document linked at: https://snowmass21.org/cpcg/start

- Everyone is invited to invoke the CP&CG as needed to encourage constructive and supportive collaboration

- The conveners of this meeting are your recommended first point of contact for reports of CP&CG violations occurring here
  - The conveners have received training in the CP&CG and how to handle reports
  - The CP&CG accountability procedure is designed to encourage early intervention and is flexible enough to appropriately address issues ranging from the discourteous to the egregious
  - Please do not hesitate to contact us!

- Snowmass is most successful when everyone's voice can be heard!

- How do we take full advantage of percent-level neutrino experiments?
- Can we determine neutrino interaction cross sections that are relevant for these experiments to the required precision?
- What can we learn about neutrino properties?
- What can we learn about BSM physics?
- What are the connections with other observables
  e.g. dark matter, collider, astrophysics, cosmology?

1. What do you envision as the biggest physics advance in your field in the next 10 years?
2. What kind of joint efforts among frontiers/groups/communities/experiment/theory do you envision are needed to make progress?
3. What kind of resources are needed?

Outcome: form groups to collaborate to continue developing and organizing ideas throughout the Snowmass process and to write white papers on them

Panel 1: Neutrinos as probes of standard particle physics

Alec Habig, George Fuller, Ulrich Mosel, Hallsie Reno,
Rajan Gupta, Kendall Mahn

Panel 2: Neutrinos as probes of Beyond Standard Model physics

Marco Drewes, Doojin Kim, Elisa Resconi, Darren Grant

CPM97 Organizers: (TF11, NF3,4,5,6, CF1)

Baha Balantekin, Carlo Giunti, Erin O'Sullivan, Irina Mocioiu, Jae Yu,
Jodi Cooley, Saori Pastore

- Short presentation by panelists + discussion
- Raise hand to ask questions. When the session chair calls on you, you can unmute and speak up
- This is a discussion starter. You can continue the conversation on the Snowmass 2021 Slack channel:

cpm_97