

Neutrino Frontier Community Feedback Meeting

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Snowmass Report

- Giant package of documentation from the community to go to P5, summarizing aspirations
- Snowmass Book (~500 pages)
 - Snowmass Summary Report (~50 pages): NF gets a few-page executive summary (Frontier Conveners)
 - Frontier Summaries (<50 pages per Frontier): Frontier Conveners will synthesize Topical Group Report content
 - Multi-Frontier Topic Summaries
- Reports of Ten Frontiers + Multi-Frontier Topics
 - Each Frontier Summary (<50 pages)
 - Topical Group Reports (few tens of pages per report): Topical Group Conveners will synthesize community input: **these Community Feedback Meetings are for discussion of the content of the TG reports**
- Contributed Papers ("White papers")
 - March 15 deadline, to be posted to the arXiv (can be updated)
 - In the NF, we are not micro-managing these
 - No length limit, but *executive summaries will be very helpful for Topical Group conveners*

NF Snowmass Timeline

develop
first draft
messages,
feedback

Extended outline due (NF): Dec 18

Series of meetings for community feedback on TG reports : Jan-Feb



Topical Group Report drafts due (NF): March 11

Community feedback period: March 11-April 10

finalize the
messages
from NF to
community

NF Workshop @ ORNL: March 16-18 [hybrid]

All-Snowmass Community NF Colloquium Series: March-April

Preliminary (TG & Frontier) Reports due (NF): May 10

Preliminary (TG & Frontier) Reports due (Snowmass): May 31

communicate
to all-
Snowmass
community

Community feedback period: June 1 – July 26

Community Summer Study (Seattle): July 17-26

Final (TG & Frontier) Reports due (NF): Sept 9

Final (TG & Frontier) Reports due (Snowmass): Sept 30

finalize the
message to
P5 from NF in
all-Snowmass
context

Neutrino Frontier dates

All Snowmass dates

(NF) community feedback dates

Community Feedback Workshops

- **Wednesday January 26, 2 pm**

- Intro/Status
- NF01: Neutrino Oscillations

- **Wednesday February 9, 10 am**

- NF02: Understanding Experimental Neutrino Anomalies
- NF10: Neutrino Detectors
- NF08/TF11: Theory of Neutrino Physics

- **Friday February 25, 2 pm**

- NF07: Applications
- NF09: Artificial Neutrino Sources
- NF04: Neutrinos from Natural Sources

- **Tuesday March 8, 2 pm**

- NF05: Neutrino Properties
- NF03: BSM
- NF06: Neutrino Interaction Cross Sections

If more time is needed for any discussion, we can schedule additional sessions.

Neutrino Frontier Meeting

- March 16-18, 2021 @ ORNL
- Please register for virtual attendance
- Goal: **develop the NF message to the community**
- <https://indico.fnal.gov/event/44794/> pw in Slack and email
- Plenaries:
 - DOE, NSF, last P5 experience
 - Panels:
 - Future of FNAL panel
 - DUNE strategy panel
 - Neutrinos across scales
 - Connections between Frontiers
 - Town Hall
- Parallels:
 - TGC feedback sessions
 - "Energy bins"