

Snowmass Early Career Neutrino Frontier Updates

Steven Gardiner
SEC-NF Meeting
2 December 2020

Leadership transition & today's agenda

- My term as SEC-NF leader ended as of 1 December
- However, Vishvas asked me to chair this meeting due to a conflict
- We welcome **Jay Jo** (Yale) who will be taking my place
- Vishvas will continue in his current role this month

- Agenda for today
 - Quick news & updates from me
 - Informal topical group reports
 - Slack poll results & discussion
 - LOI presentations: Steven Gardiner (low-energy cross sections) and Josh Barrow (baryon number violation in DUNE)

Neutrino Frontier white paper kickoff meeting

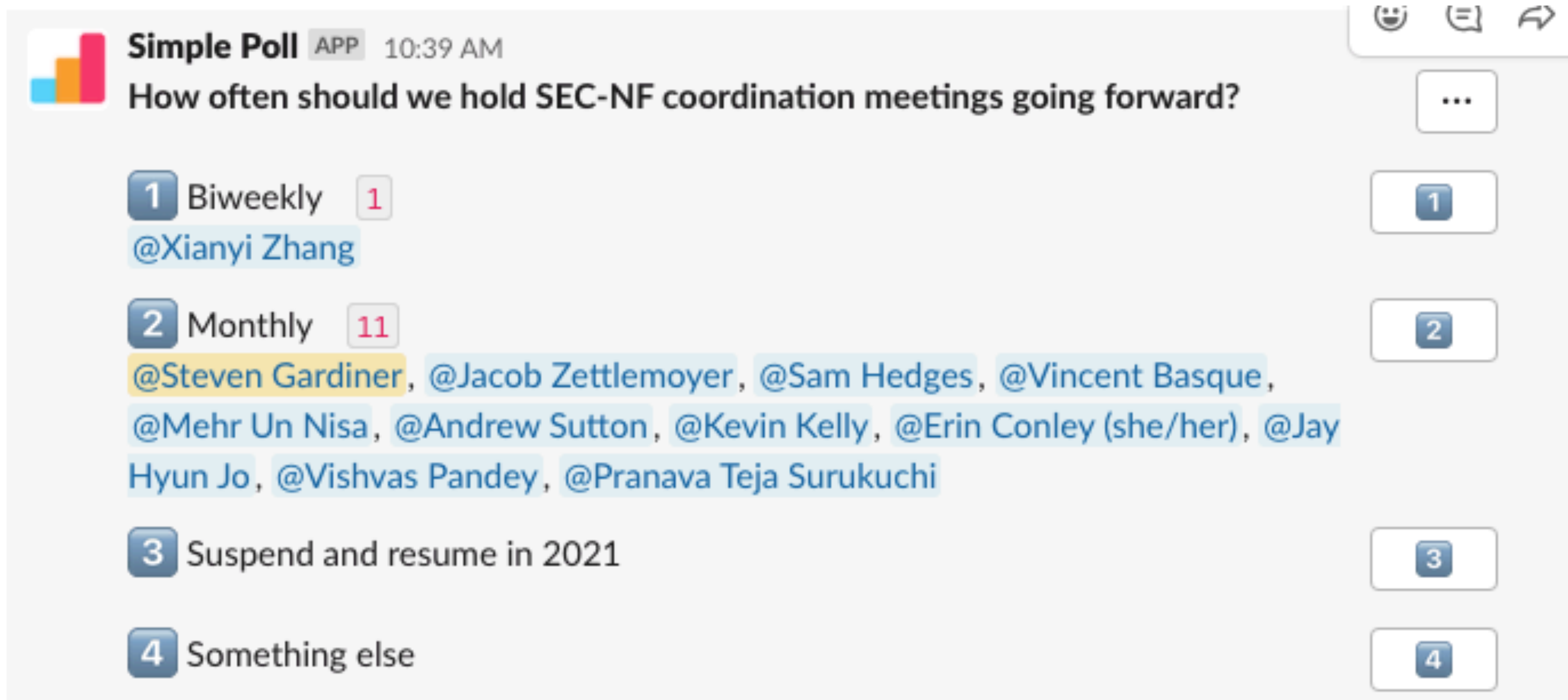
- Scheduled for 17 December, 11am - 1pm EST
- No word on Zoom connection or Indico yet (we will keep you updated)
- Idea is to start coordinating preparation of white papers across the frontier and track progress
 - First in a series of monthly meetings

Neutrino Frontier white paper kickoff meeting

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Slack poll results: meeting schedule

- Thanks to all who voted, we appreciate your feedback
- We have switched to a once-a-month meeting schedule based on overwhelming support for that option
 - The hope is to have less frequent meetings but make them more impactful when they do happen



Simple Poll APP 10:39 AM

How often should we hold SEC-NF coordination meetings going forward?

Option	Count	Voters
1 Biweekly	1	@Xianyi Zhang
2 Monthly	11	@Steven Gardiner, @Jacob Zettlemyer, @Sam Hedges, @Vincent Basque, @Mehr Un Nisa, @Andrew Sutton, @Kevin Kelly, @Erin Conley (she/her), @Jay Hyun Jo, @Vishvas Pandey, @Pranava Teja Surukuchi
3 Suspend and resume in 2021	3	
4 Something else	4	

Slack poll results: SEC-NF workshops

- Professional development topic saw significant interest, but no volunteers to organize this
 - Current plan is to have SEC-NF leadership reach out to the SEC Inreach group for support

Please indicate your interest in each of the following ideas for SEC-NF workshops

...

1 Professional development (writing a research statement, etc.) participation

1

6

@Jacob Zettlemoyer, @Steven Gardiner, @Sam Hedges, @Andrew Sutton, @Erin Conley (she/her), @Jay Hyun Jo

2 Professional development (writing a research statement, etc.) organization

2

3 Analysis tools/techniques (statistical methods, common software tools) participation

3

7

@Jacob Zettlemoyer, @Rob Fine, @Andrew Sutton, @Erin Conley (she/her), @Jay Hyun Jo, @Vishvas Pandey, @Pranava Teja Surukuchi

4 Analysis tools/techniques (statistical methods, common software tools) organization

4

1

@Sam Hedges

Created by @Steven Gardiner with /poll

Slack poll results: SEC-NF workshops

- Analysis tools/techniques: sounded good to many, Sam offered to help organize
 - We should discuss specifics of what people would like to learn about
- Feedback from Sam:
 - “One way of trying to solicit topics would be to ask people to think about the most useful tools they've used in their research, and to put together a 10-15 minute presentation on one of them”
 - Could also be about “things you could get asked to calculate on the whiteboard during your thesis defense”

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4 Analysis tools/techniques (statistical methods, common software tools) organization

4

1

@Sam Hedges

Created by @Steven Gardiner with /poll

Slack poll results: “journal club”

 **Simple Poll** APP 10:46 AM

Please express your level of interest in a "journal club" for future SEC-NF meetings

1 I would like to attend and hear presentations from others on their LOIs/other Snowmass involvement/personal research **11**

[@Steven Gardiner](#), [@Sam Hedges](#), [@Mehr Un Nisa](#), [@Joshua Barrow](#), [@Jacob Zettlemyer](#), [@Andrew Sutton](#), [@Xianyi Zhang](#), [@Erin Conley \(she/her\)](#), [@Jay Hyun Jo](#), [@Vishvas Pandey](#), [@Pranava Teja Surukuchi](#)

2 I would be willing to give such a presentation at an upcoming meeting **3**

[@Steven Gardiner](#), [@Sam Hedges](#), [@Joshua Barrow](#)

3 I do not plan to participate in this activity

Created by [@Steven Gardiner](#) with /poll