

CPM status update

NF conveners meeting 09/15/2020

Patrick Huber

About Snowmass and Snowmass Planning Meeting <i>Virtual</i>	Day 1	11:00 - 11:20
Exciting Physics Before Us <i>Virtual</i>	<i>JoAnne Hewett</i>	11:20 - 11:45
Strategies and Plans in Other Regions: Europe and Russia <i>Virtual</i>	<i>Jorgen D'Hondt</i>	11:45 - 12:10
Strategies and Plans in Other Regions: Asia and Pacific <i>Virtual</i>	<i>Geoffrey Taylor</i>	12:10 - 12:35
Break and Chat <i>Virtual</i>		12:35 - 13:00
Strategies and Plans in Other Regions: Canada <i>Virtual</i>	<i>Brigitte Vachon</i>	13:00 - 13:10
Strategies and Plans in Other Regions: Latin America <i>Virtual</i>	<i>Rog�rio Rosenfeld</i>	13:10 - 13:20
Strategies and Plans in Other Regions: Africa and Middle East <i>Virtual</i>	<i>Shaaban Khalil</i>	13:20 - 13:30
Strategies and Plans in Related Fields: Astrophysics <i>Virtual</i>	<i>Fiona Harrison</i>	13:30 - 13:45
Strategies and Plans in Related Fields: Nuclear Physics <i>Virtual</i>	<i>Kate Scholberg</i>	13:45 - 14:00
Remarks from Funding Agencies to the Snowmass Process: DOE <i>Virtual</i>	<i>Jim Siegrist</i>	14:00 - 14:10
Remarks from Funding Agencies to the Snowmass Process: NSF <i>Virtual</i>	<i>Saul Gonzalez</i>	14:10 - 14:20
Break and Chat <i>Virtual</i>		14:20 - 14:45
Plenary Three: Voices from the Community <i>Young-Kee Kim Kim</i>		
<i>Virtual</i>		14:45 - 16:00

11:00	Report from Early Careers <i>Virtual</i>	Day 4	11:00 - 11:20
	Report from Energy Frontier <i>Virtual</i>		11:20 - 11:40
	Report from Neutrino Frontier <i>Virtual</i>		11:40 - 12:00
12:00	Report from Rare Processes and Precision Measurements Frontier <i>Virtual</i>		12:00 - 12:20
	Break and Chat <i>Virtual</i>		12:20 - 12:45
	Report from Cosmic Frontier <i>Virtual</i>		12:45 - 13:05
13:00	Report from Theory Frontier <i>Virtual</i>		13:05 - 13:25
	Report from Accelerator Frontier <i>Virtual</i>		13:25 - 13:45
	Report from Theory Frontier <i>Virtual</i>		13:45 - 14:05
14:00	Break and Chat <i>Virtual</i>		14:05 - 14:30
	Report from Computing Frontier <i>Virtual</i>		14:30 - 14:50
	Report from Underground Facilities and Infrastructure Frontier <i>Virtual</i>		14:50 - 15:10
15:00	Report from Community Engagement Frontier <i>Virtual</i>	<i>Ketevi Adikle Assamagan</i>	15:10 - 15:30
	Engaging the Community to Define the Future (1) <i>Virtual</i>	<i>Steve Ritz</i>	15:30 - 15:40
	Engaging the Community to Define the Future (2) <i>Virtual</i>	<i>Jim Gates</i>	15:40 - 15:50
	Closing Remarks <i>Virtual</i>		15:50 - 16:00

CPM parallels

- 9 hour parallel time on days 2 & 3
- 75 minutes for Outreach & Community engagement
- 45 agreed-on cross-cutting sessions, 11 with NF involvement
- 2 hour NF exclusive time to come up with and/or refine plan towards CSS 21
- 30 minutes at the start of day 2 for orientation
- 90 minutes at the end of day 3 to consolidate

Sessions with NF involvement

3	ID	Frontiers	Inter Frontier Theme	Topical Groups	Meeting time
4	29	EF, TF, RF, NF	Low-energy precision experiments	EF04, RF03, TF02, TF05, TF06, NF05, NF03	60'
5	51	IF, NF, RF	Detector requirements with NF	IF01, IF02, IF04, IF05, IF07, IF08, IF09, NF, RF4	60'
6	61	AF, NF (same as #112)	Energy and Power and Time structure goals for Neutrino Frontier programs	AF2, AF7, NF	90
7	77	CF, TF, IF, UF, NF	Dark matter and quantum sensors	CF1, CF2, CF3, IF1, IF2, TF, UF, NF10, NF05	60
8	97	TF, CompF, NF, CF	Neutrino and astroparticles	TF11, NF01-06, NF09, TF05, TF07, CompF2, CompF7, CF7	60
9	108	RF, TF, CF, EF, NF	Light dark matter (keV-GeV) (or maybe light BSM at neutrino experiments)	EF09,EF10, EF4, CF1, RF6, TF11, TF09, NF02, NF03, NF05, NF09, AF05	120
10	109	RF, TF, NF	Neutrino mass and Dirac/Majorana nature	RF, CF7, TF11	120
11	110	NF, UF, RF	Lepton and baryon number violation	NF, RF4, UF1	60
12	81	NF (same as #114),	Computing Requirements/Opportunities NF	NF, CompF1, CompF4, CompF2, CompF3,	60
13	115	NF, UF	Neutrinos and underground facilities	NF, all UF	60
14	119	All Frontiers + Early Careers	HEP Workforce Staffing and Training	CommF4,CommF3, CommF2, all other Frontiers + early careers, , CompF1, CompF2, CompF3, CompF4, CompF5, CompF6, CompF7	90'

We need to assign names to co-organize, or decide that we do not want to be that involved in a given session. Not all sessions need co-organizers from each involved TG. Please, volunteer by noon (Eastern) tomorrow! I will fill vacancies afterwards!

CPM parallels cont'd

- How to organize these sessions?
- Several frontiers are together, need to be mindful of different goals and physics perspectives
- 60-120 minutes and many topics to cover
- How to fold LOIs into this?
- At least 1/3 of the time should be for discussion/questions
- Find speakers in 2.5 weeks? Organizers/TG conveners are fallback speakers

SPD continued

Things to consider:

- Need a mature draft NF report by the CSS21 (July 2021)
- Need first drafts/outlines of topical reports by NF workshop (March 2021)
- Need white paper drafts 6 weeks prior (January 2021)
- Need to figure out which LOIs are carried into white papers and how by Thanksgiving 2020 (and which white papers we need even if there's no matching LOI)

- SPD needs to layout a schedule of drafts and feedback cycles with the appropriate milestones and workshops folded in.

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