

Questions and Comments received during the Town Hall Meeting

From Yury Kolomensky to Everyone: (05:49 PM)

Would be useful to make the recording available through the indico site for Snowmass
Young-Kee:

The indico site has the link to the recording

From Yury Kolomensky to Everyone: (05:49 PM)

Is Indico site public? Can link be shared? There was a question about getting the slides
Yes, we have a live captioner (see user "Captioning service...").

From Gordon Watts to Everyone: (05:52 PM)

If you can access the the web site - then it might be public?

<https://indico.fnal.gov/event/23601/>

Young-Kee:

Yes, it is public.

From Vladimir Shiltsev to Everyone: (06:10 PM)

514 online !

From Robert Bernstein to Everyone: (06:11 PM)

so compare that to the ~3500 DPF members. this is great!

Robert Goshen



Kaixuan Ni



From Yu-Dai Tsai to Everyone: (06:19 PM)

To the "Rare Process ..." frontier conveners, I believe "Dark Sector at Low and Intermediate Energies" makes more sense for RF06.

From Alexey Petrov to Everyone: (06:20 PM)

Sure. We wanted to make it separate from DM searches at high energy machines like LHC...

From Robert Bernstein to Everyone: (06:23 PM)

fair comment. Alexey made the point well

From marina artuso to Everyone: (06:26 PM)

actually there are experiments at LHC looking for dark photon etc. which belong in our frontier, LHCb codex B & similar + direct searches at lower energy are very much within our scope.

From Yu-Dai Tsai to Everyone: (06:26 PM)

I see. I think "intermediate energy" may be a good description for the likes of NA62, SeaQuest/DarQuest/LongQuest, & FerMINI that study dark-sector particles using ~ 100 GeV proton beams, among other similar experiments/proposals. Just a suggestion :)

From marina artuso to Everyone: (06:27 PM)

LHCb and beam dump experiments are also not to be forgotten

From Robert Bernstein to Everyone: (06:28 PM)

we have NA62 under strange quarks, but these groups do cross-cut. Can we continue this after the meeting, these are good points. Also puts you on the hook for work

From Alexey Petrov to Everyone: (06:29 PM)

Excellent points. But I think we need to take this discussion off-line...

From Yu-Dai Tsai to Everyone: (06:29 PM)

Sure! Thanks. I was referring to the NA62 proposed beam-dump mode that

From marina artuso to Everyone: (06:30 PM)

This is definitely in our radar screen, as I was mentioning there are several LHC experiments which are in the mix of our consideration

From Me to Everyone: (06:26 PM)

from Robin E: wow fantastic job switching between frontier speakers and great job by all the speakers! (via Gordon Watts)

Young-Kee: **Thank you!**

From Robert Bernstein to Everyone: (06:27 PM)

being bombarded with requests to join email lists and adding people to slack simultaneously

From Gordon Watts to Everyone: (06:29 PM)

Glad so many people are trying to sign up!

These discussions here - if useful to everyone, not just us, could be posted in the public chat.

Harvey Newman

P5 Plans are actually 20 year plans in some sectors given the nature of the program and the commitments (including formally). So do we need to reframe the P5 Plan(s) headline ? The 20 year aspects are more than a "vision" in reality.

James Fast

I believe the spirit of the 10 year plan is "things ongoing or starting in the next 10 years" which allows for things that extend to 20 years.

Young-Kee:

Good comments. Adding some words to clarify would be appropriate.

James Fast

That would include R&D for things that are even further out in time.

Hitoshi Murayama

Are there Google calendars for each frontier we can subscribe to?

Jaehoon Yu

I second Hitoshi's suggestion for setting up subscribable google calendar for each working group.

Young-Kee:

Good suggestions. We will look into this.

Manuel Morales

Which mutually exclusive selection function is being used to conduct particle experiments?

Manuel Morales

I am hearing a lot about one theory building upon another theory. At what point do we advance knowledge beyond theory? Surely we can do better than this?

James Beacham

Cast a wider net with experiment.

Manuel Morales

Agreed James. But herein lies the problem. Which logic code do we use to conduct experiments and are such experiments able to obtain absolute internal validity?

Manuel Morales

Assumed Higgs Boson Discovery Proved Einstein Right: fundamentaljourna...
View of Assumed Higgs Boson Discovery Proved Einstein Right
fundamentaljournals.org

Pavel Nadolsky

@Sergey Chekanov, let me add that a future DIS experiment (EIC, LHeC,...) that is run concurrently with the HL-LHC can strongly increase the physics reach of the HL-LHC by precisely measuring the hadron structure at large Bjorken x relevant to large-mass new physics searches.

Ciro Sanchez

Thank you.

After the Town Hall Meeting

Claire Lee 5:04 AM

Hi all.

I just wanted to give some feedback on the Town Hall meeting on Saturday... First, I want to say thanks to the organisers, as I know that it was tough trying to port this into virtual format, and just the technical requirements alone were quite enough to deal with. However, I was mostly disappointed with the session. I don't feel that I gained anything more by attending the session (which went on until 1:30am my time) in person, than I would have gained by just reading through the slides and Q&A document in my own time. I certainly don't think that being read the entire set of Q&As verbatim was an effective use of anything. (If I had wanted to be read to, I would have put on an audiobook.) There were some questions that spanned a couple of topical groups, and what would really have been nice to see would have been a panel-style brainstorming discussion between the relevant convenors on how to effectively cover these in the snowmass process. It's also a pity that we didn't make better use of this slack channel during the discussion. At one point I tried to type a comment into the live chat, but when I hit enter it was over the character limit, and the entire comment was deleted. So I just gave up in frustration. But we could have had a really good chat going on on here. (Aside: I have been part of panels before, where people submitted questions beforehand, and everyone could upvote questions they were most interested in. The moderator then chose the most upvoted questions for discussion during the panel, which is a good way to make the best use of limited time. Perhaps we could have done something like that here - with each question also having the possibility of spawning it's own particular comment thread?) Anyway, I think my main gripe is that I don't really feel that the question of "What should people get out of this session?" was adequately thought through. Again, if what we get out is exactly the same as what we would have got by reading two pdfs, then the session was not necessary.

Young-Kee Kim:

Thank you for your feedback. 20 people submitted their requests to speak during the "Open Mic" session and they spoke in order of their submission. We could simply make their statements available on our website, instead of speaking during the Open Mic session. We chose them to speak so that everyone hears about their opinion and our responses. Your suggestion of the panel session is very good. We plan to have a few more Town Hall meetings in the future and we will implement your suggestions.