DPF Program Committee

Bob Bernstein	Sheldon Stone	Tom Browder	Mike Kordosky
Mayly Sanchez	Matt Graham	Matthew Szydagis	Rafael Lang
Jodi Cooley	Tom Diehl	Stefano Profumo	Tim Tait
Roger Rusack	Chris Hill	Stephen Sekula	Mayda Velasco
Jim Olsen	Dmitri Denisov		

Ex officio: Tao Han, Young Kee Kim, Priscilla Cushman

Agenda for Feb 5 ,2018

General points about the format of the April Meeting

What is the Sorter's Meeting anyway?? (Hans Pieter Mumm presents)

Discussion of the current April DPF draft program and Chairs
Choose interesting abstracts − create a media presence
Public Outreach Ideas for the week before

Begin definition of better Sorting Categories

The Mission of the Program Committee

- Feb 5: Brainstorm − open filter − what do YOU want the program committee to do?
- Before April 16 via email and our new wiki: Prioritize mission ideas
- April 16: Draft a Mission Statement

Plenary and Public Talks are the only ones not in parallel
Invited Talks are decided in October of the year before
DPF has 10 sessions to fill. 3 talks per session
Contributed Talks are initiated by abstract submission:
assigned to sessions during the Sorter's Meeting

APS April Meeting Program Block for 2018

Saturday, April 14	Sunday, April 15	Monday, April 16	Tuesday, April 17
7:00am-5:00pm Registration	8:00am-4:00pm Registration	8:00am-4:00pm Registration	8:00am-11:00am Registration
Block 1 8:30am - 10:18am Plenary Session I	Block 1 8:30am - 10:18am *Invited and contributed*	Block 1 8:30am - 10:18am Plenary Session II	Block 1 8:30am-10:18am Plenary Session III
Block 2 10:45am -12:33pm *Invited and contributed*	Block 2 10:45am - 12:33pm *Invited and contributed*	Block 2 10:45am - 12:33pm *Invited and contributed*	Block 2 10:45am-12:33pm *Invited and contributed*
Block 3 1:30pm - 3:18pm *Invited and contributed*	Block 3 1:30pm - 3:18pm *Invited and contributed*	Block 3 1:30pm-3:18pm *Invited and contributed*	Block 3 1:30pm-3:18pm *Invited and contributed*
Block 4 3:30pm - 5:18pm *Invited and contributed*	2:00pm - 5:00pm Poster Session II*	2:00pm – 5:00pm Poster Session III	Block 4 (if required) 3:30pm-5:18pm *Invited and contributed*
5:30pm – 7:00pm Poster Session I*	Block 4 3:30pm - 5:18pm *Invited and contributed*	Block 4 3:30pm - 5:18pm *Invited and contributed*	
5:30pm – 7:00pm Welcome Reception	5:30pm-7:00pm Awards Ceremony	5:30-6:30pm Unit Business Meetings	
7:00pm Public Lecture	8:00pm Special Symposium	7:30pm Special Symposium	
7:00pm Special Symposium			

* Note: Scheduling of poster sessions depends on the number of posters.

Contributed Talk Session Types

Contributed Session: A session of all contributed talks that is organized at the sorters meeting on a topic that was not chosen ahead of time but which emerges out of the randomly submitted abstracts. It consists of a maximum of 9 contributed abstracts to be presented in the 108-minute time block. This allows each abstract 10 minutes for presentation and 2 minutes for questions/discussion.

Combined Session: A session that combines contributed and invited talks, organized at the sorters meeting based on a topic that was not chosen ahead of time, and for which contributed papers were not actively solicited; consists of one invited talk and 6 contributed talks.

Focus Session: Usually one physics focus. We can assign these during the sorting, but should be arranged ahead of time based on communication with interested parties. Starts with a longer talk

Mini-symposia: Similar, but more interdisciplinary. E.g. based on common technologies rather than physics. DNP uses this a lot. E.g. a mini-symposium on low background techniques.

2017 Sorting Categories

F1. Higgs Physics
F2. Electroweak Physics
F3. Top-Quark Physics
F4. Quark Flavor Physics
F5. Charged Lepton Interactions
F6. Neutrino Physics: Results and New Initiatives
F7. Neutrino Experiments: Backgrounds, Systematic Errors and Simulations
F8. Strong Interactions and Hadron Physics
F9. Supersymmetry Searches and Models
F10. Alternative Beyond the Standard Model Physics
F11. Dark Sector Theories and Searches
F12. Particle Cosmology
F13. Theoretical Results
F14. Detector R&D and Performance
F15. Computing and Data Handling (same as Q6)

Our job is to come up with better ones for 2019. Create Focus and Symposia ahead of time. Then "invite" people to submit contributed abstracts for the sessions.

They are due by June 2018. Let's try to finalize them by April

The 2019 APS meeting is a COMBINED "April" and "March" meeting held in Boston in late February

Sorting Observations from Pieter Mumm

- I'd never sorted so many abstracts (> 200).
  - 3-4 min per for 6 hours. Possible, but the quality of the sorting suffers.
  - DNP is similar in size and there are usually 5-6 sorters.
  - *30-40 abstracts per person, particularly if one can be sorting in their sub-field works very well, and produces well constructed sessions.*

- It's important to have enough sorters that DPF can keep up with other divisions. Otherwise, you end up trying to unload some misfits when everyone else is done.

- It's ideal to have sorters cover a broad range of expertise. In our case, we covered neutrinos and dark matter very well, but had some trouble with the rest.

- I've served on the DNP program committee and never gave or, when sorting, received guidance from the committee in the past (with the exception of mini-symposia and equivalent). I felt some of the advice we got before Friday was actually pretty useful. Some ideas for the future:
  - Advice the day of is not all that helpful, too much going on. *Session definitions change in real time.*
  - The best advice was in the form of classification or tag words, e.g. although not obvious to the non-expert, this abstract is about BSM tests. Tag abstracts with a few general descriptors (e.g. BSM tests, precision meas., detector dev., QCD tests…)
  - Provide groupings of abstracts that ought to be in the same session.
  - Flag abstracts that might not be widely of interest, no-shows, or 'whacky'.
  - Perhaps set up a google Doc. for suggestions and organizational ideas, this way everybody can see everyone's comments in real time.

Sorting Category Improvements from Matthew Szydagis

- Higgs Physics
- Electroweak Physics and Charge Lepton Interactions (just combining these)
- Quark Flavor Physics, Strong Interactions, and Hadron Physics
(drop top physics altogether, since we got only 2 abstracts for it!
Or, combine with quarks above)

Neutrinos were too big, so I suggest splitting into a lot more groups, perhaps into Neutrino Phenomenology, Current Results, and New Experiments as a start, but Pieter will have better ideas for this, as he sorted. Another idea: short- vs. long-baseline into separate categories, and neutrino mass and hierarchy measurements in separate categories, along with CP violation. (Should we encourage posters instead?? – PC. Or fewer talks?)

- Supersymmetry Searches and Models (leave as is)
- Beyond the Standard Model Physics (make explicitly as non-SUSY e.g. extra dimensions, but not dark matter, since that is separate and can be SUSY)

DROP Theoretical Results, since we sprinkled this everywhere anyway, but instead people in this category submit to SUSY, BSM, OR a dark matter category or neutrino category.

Sorting Category Improvements from Matthew Szydagis

Dark matter got too big (Perhaps we need to discourage so many talks? PC)
and particle cosmology was useless because of DAP being separate from DPF.
so I suggest breaking it up into:
- Direct Detection, Xenon
- Direct Detection, non-Xenon but Present Results/Progress
- Direct Detection, non-Xenon but Future (like R&D)
- Dark Matter in Colliders
- Dark Matter Theories, Models, and Phenomenology
  (can be 2 sessions, and mix and match with BSM)
- Indirect typically goes to DAP (but we can have combined sessions – PC)

- Detector R&D and Performance is really good to keep around to bleed off student talks on dark matter and neutrino experiments that overflow past 9 above, as well as LHC upgrade stuff. (Perhaps we need to be more specific and split this into different categories? PC)

- Computing and Data Handling, really good to keep, but perhaps expand name to include neural networks and other machine learning techniques, like I did this year.

As an example, the 2017 Schedule

January 30	Committee meets at April 2017 in Washington, DC, 12:30-2:00 PM
July 14	Changes to sorting categories due to Vinaya Sathyasheelappa at vinaya@aps.org
September 22	First April Meeting announcement and call for abstracts posted to web-site
October	Notify program chairs of award and prize winners
October 20	Deadline for unit program chairs to submit final invited session information to Invited database (consult Ebony Adams at adams@aps.org for help)
November 3	April Program Committee meets via teleconference (11:00 AM EST) Invited sessions placed
December 15	April invitation letters sent from APS by e-mail to invited speakers
January 12:	Abstract deadline
January 19:	Sorters Meeting at APS (Friday).
February 9:	The Program Committee's review and corrections must be completed
February 12:	April program goes public after incorporating Committee edits
February 16:	Post-deadline abstracts due. Assigned to posters if space available.

Program Committee Mission: Ideas from last meeting

(a) Providing a forum for undergraduate talks. The forum could be led by someone in one of the teaching universities. SPS does provide some travel funds; DPF could explore this.

(b) Mentoring and career building advice for graduate students and young researchers is very important and we should strengthen this with forums and panels.

(c) April meeting is unique in that we have broad representation across many divisions and we should capitalize on this by providing many opportunities for cross fertilization, including better coordination on joint sessions.

(d) Already the April meeting provides a chance to make connections to science policy, climate, politics, outreach etc. but we can do a better job of advertising this as well as direct connections with DPF. There should be a task forces that examines important social issues such as mental health issues , diversity, bullying

(e) The massively parallel agenda discourages some of what we are trying to do. How do we work with this (or change it).

(f) Getting high profile talks with new results are important ways to increase attendance. This is partly the job of the APS April Meeting committee and the plenary talks they find. But our work in proactively seeking contributed talks with new results is important. MEDIA