



SAC meeting

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January 14, 2019

Agenda

- News
 - Reminder PAC meeting Jan. 18 (agenda <https://indico.fnal.gov/event/19433/>)
 - The chairs reached out to SAC leaders to get details on recent work, will send around draft slides today.
- All-scientist retreat planning
- AOB

Scientist Retreat Planning

Retreat and faculty meetings

- Snowmass planning and 'faculty meeting' topics, is this best served by 2 retreats?
- Or 1 retreats and more regular occurring 'faculty meeting'/all scientists meeting ?
- Or a different option ?

Scientist Retreat Planning

- For the regular faculty meeting? What form should it take? Lunch meeting ? with W+C? During colloquium ?
- How often? Quarterly ?

- Topics for discussion
 - Planning for Snowmass
 - Code of conduct
 - Results of climate survey
 - Space issues ? are people happy
 - Campus master plan - new building
 - Visitors - better understanding of lab policy on open lab and situations
 - Pay grades
 - Mentoring
 - Joint Appointments
 - Scientist Sabbaticals

Scientist Retreat Planning

Setting date for snowmass planning retreat

After the ES ? June is looking rather full

- That will make a late retreat in early fall
- What, if any, activities we want to start before hand?

- 1) CERN Council Meeting : June 20,21, 2019
- 2) CMS/ATLAS/LHCb: ATLAS: 17-22 June, CMS week: 24-28
- 3) Neutrino Summer School : 5-16th August
- 4) DUNE collaboration meeting : 20-24th May
- 5) NOvA : June 3-7
- 6) MINERvA : June 18-22 (think, check -- they waited for users meeting dates)
- 7) European particle physics strategy meeting: May 13-16 in Spain**
- 8) Users Meeting/New Perspectives: June 10-13
- 9) APS April meeting, April 13-16th
- 10) MicroBooNE: July 22-26
- 11) SBND: June 24-28
- 12) g-2 May 25-Jun 1 2019

Scientist Retreat Planning

Designing the process for the retreat

Last two retreats we have had working groups with leaders chosen by SAC
Some groups have continued to have meetings or have morphed into more wider community planning efforts

Will we still create working groups?

How will these mesh with the on going groups?

Organization for the retreats

Physics

Technology

Working group	Conveners first retreat	Conveners second retreat
Cosmic science	Bradford Bensen, Andrew Sonnenschein	Bradford Bensen, Lauren Hsu, Albert Stebbins
Energy frontier science	John Campbell, Anadi Canepa, Dmitri Denisov, Bogdan Dobrescu, Sergo Jindariani, Vladimir Shiltsev	Anadi Canepa, Dmitri Denisov, Paddy Fox, Sergei Nagaitsev
Neutrino science	Mike Kirby, Alexander Himmel, Louise Suter	Zarko Pavlovic, Louise Suter, Joseph Zennamo
Precision science	Doug Glenzinski, Brendan Kiburg, Juliana Whitmore	Doug Glenzinski, Mark Lancaster, Chris Polly
Accelerator science	Sam Posen, Thomas Strauss, Alexander Valishev, Bob Zwaska	Jonathan Jarvis, Martina Martinello, Nikolay Solyak, Charles Thangaraj, Alexander Valishev
Computational science	Oliver Gutsche, Gabriel Perdue	Adam Lyon, Jim Kowalkowski
Detectors for science	Juan Estrada, Petra Merkel, Vadim Rasu	Juan Estrada, Angela Fava, Petra Merkel, Vadim Rusu
Applied science	Jin Chang, Charles Thangaraj	NA
Quantum Computing		James Amundson, Roni Harnik

Scientist Retreat Planning

- What is the desired outcome of the meeting?
 - A report?
 - 2017 outcome was written report
https://docs.google.com/document/d/1CN_LLfCXqNTCxiwUYsTnZP6W1SX2wMCylX47P7Ni0jQ/edit?usp=sharing
 - 2018 outcome just summarized in slides
https://docs.google.com/presentation/d/17Rb_ph6jJwqDFtpoo3ZlwdXqjs6FKAUj19uXJjnrSi0/edit?usp=sharing
 - Quantitative answers on what people want to work on?
 - How you achieve Quantitative answers ?
 - Give people detailed charge questions?
 - For the previous retreat working groups did not all clearly answer all questions, concentrated on science not on integrating with community
 - Do we/directorate come up with charge questions or we form working groups to come up with main questions in the field ?
 - Do we send out a poll, what we somehow force people to fill out and then discuss outcome of poll, either in groups or at the retreat?

Charge from 2018 retreat

- What are the interests of the Fermilab scientists for the decade or so following 2026?
- How do we give our input to both the US community planning and the European Strategy Group?
 - Consider both activities at Fermilab, and activities elsewhere in which Fermilab should be involved.
 - Be optimistic, but realistic, in your assessment of the likely scale of available funding.
 - Outline any developments in terms of facility construction/upgrade, R&D, new physics knowledge decision points etc. the activity will require.
 - Consider everything necessary to perform the experiment or other activity proposed.
 - For example, for an experiment, consider the accelerator, computing, and so on required to perform the experiment.
- What is the post-retreat plan for working with US, European, and other partners to give our input?
 - Consider how we should approach coordinating with your community within the US, and the European community to provide input into the EPPSU process
 - This will need the involvement of the wider US community

Backup

Scientist Retreat Planning

- One or two retreats?
 - one focused on scientific planning
 - Second retreat could be focused on work issues, e.g. joint appointments, scientific pay structure, mentoring, etc. Its been two years since we had a retreat focused on work issues (2017 SAC organized it)
 - Another option would be ‘all scientist meeting’ in similar style to the “all hands”
- When should the retreat(s) take place?
 - Scientific retreat may be best held in June, after European Strategy (May) and Snowmass town hall discussion (April). We are also expecting to maybe learn more from PAC meeting (next week) on DPF snowmass plans

Scientist Retreat Planning

What format should the Snowmass planning retreat take?

Learn from experience of previous years

Some areas have continued in the planning process since last retreat, expanding it to be a more community wide activity

Need to built from those efforts, compared to before where we have created new working groups for the last two retreats

Also keep in mind we have multiple planning processes in play (Snowmass, European Strategy, Fermilab Strategic Plan, and our own). How can we better link these efforts to one another?

Nigel suggested a starting point of reading submitted white papers

Meeting dates (not complete)

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Missing multiple SBN, microboone, eta will check with spokespeople
Others?