

DPF ACTIVITIES

J. Rosner – Fermilab Users' Meeting – June 12, 2013

Organizing sessions at April 2014 APS Meeting

Savannah, April 5-8, invited DPF Sessions

Web site <http://www.aps.org/meetings/april/>

Reduced registration fees for students and seniors

Denver 2013: Total attendance 1310, 363 in DPF

Organizing “Snowmass on the Mississippi”

Minneapolis, July 29 - August 6, 7 working groups

Web site <http://www.snowmass2013.org/>

Sponsoring DPF Meeting every two years

University of California at Santa Cruz, August 13-17

Web site <http://scipp.ucsc.edu/dpf2013/>

Register by July 28; first two days: Snowmass 2013 outcome

DPF LEADERSHIP

Chair line

Past chair: Pierre Ramond (Chair in 2012)

Chair: Jonathan Rosner (2013)

Chair-elect: Ian Shipsey (Chair in 2014)

Vice-Chair: Nick Hadley (Chair in 2015)

Secretary-Treasurer: Howie Haber (2013-2015)

Councillor: Marjorie Corcoran (2010-2013)

Executive Committee members:

Jonathan Feng (2011-2013)

Nikos Varelas (2012-2014)

Lynne Orr (2011-2013)

Robert Bernstein (2013-2015)

Yuri Gershtein (2012-2014)

Sally Seidel (2013-2015)

Election of 2014 Vice-Chair, two new EC members
to take place soon

SNOWMASS 2013 GROUPS

Conveners of seven “Frontiers”

Energy: Chip Brock, Michael Peskin

Intensity: JoAnne Hewett, Harry Weerts

Cosmic: Jonathan Feng, Steve Ritz

Instrumentation: M. Demarteau, Ron Lipton, H. Nicholson

Facilities (“Capabilities”): Bill Barletta, Gil Gilchriese

Computation: Lothar Bauerdick, Steve Gottlieb

Education and Outreach: Marge Bardeen; Dan Cronin-Hennessy

Subgroups:

Each group has several subgroups; see web page

Initial plenary meeting was at Fermilab (10/12)

Many preparatory meetings; last at Seattle, end of June

SCIENCE QUESTIONS

Higgs boson properties

Coupling measurements: How precise?

One Higgs or more?

LHC vs. an ILC?

Long-baseline neutrino experiment

Science yields of each stage of LBNE

Added value of underground detector

Added value of 34 kT vs 10 kT

Added value of enhanced neutrino beam

Dark matter experiments

Variety of possible types of dark matter

Complementarity of search experiments

“Resource” for informed decision on “downselect”

MEETING DETAILS

Registration

DOE approval pending; lab people hold up until notified (soon?!)

Others should register as soon as possible

Fee \$260 if before July 15; \$300 after

Hotel deadlines: July 7 (Commons); June 28 (Metrodome)

Schedule

Monday, July 29: Plenary talks set forth physics questions

July 30-August 4: Inter-frontier discussions; plenary panels 4-6 PM

August 5 and half of August 6: Plans to address physics questions

Indico page

Will have it populated in next few days; for skeleton see:

<https://indico.fnal.gov/conferenceTimeTable.py?confId=6890#20130729.detailed>

NEXT STEPS

Snowmass Report

“White Papers” invited

Input to seven 30-page “Frontier” writeups + Theory report

Executive summaries provide input to 30-page overview

300+ pages to reading and editorial committees by August 31

Report by November 1 \Leftrightarrow Eur. Physics Briefing Book

<http://europeanstrategygroup.web.cern.ch/europeanstrategygroup/>

Setting forth main questions and means to answer them

Prioritization process

The work of a separate “P5” panel formed by September

Agencies: “Dear Colleague” letter soliciting names for panel

Community input from Snowmass Report and “Town Meetings”

P5 to report to HEPAP by mid-2014

OTHER THINGS WE DO

Congressional visits during APS Convocation

Usually mid-April; this year late February

Deliver message to House and Senate staff

Committees for DPF-related prizes and awards

Panofsky, Wilson, Sakurai Prizes

Primakoff Early Career Award

Tanaka (expt), JJ and Noriko Sakurai (theory) Thesis Awards

Web page: <http://www.aps.org/programs/honors/prizes/>

Choosing Fellows of the APS

Web: <http://www.aps.org/programs/honors/fellowships/>

Position statement on Comparative Reviews

Latest post of DPF Newsletter: <http://dpfnewsletter.org/>

Panel exploring Theory issues (M. Dine, Chair)