

Snowmass Steering Group Meeting

Dec. 13, 2021

<https://indico.fnal.gov/event/51980/>

Agenda

- Updates
- Year-end letter

Foremost:

THANK YOU very much -- the Steering Group members,
DPF chairs, for the great efforts at the most challenging times!

Steering Group 2022

Chair: Joel Butler
Chair-elect: R. Sekhar Chivukula
Vice Chair: André de Gouvêa
Past Chair: Tao Han
Ex Officio: Young-Kee Kim
Ex Officio: Prisca Cushman

DPB: Sergei Nagaitsev
DNP: Yury Kolomensky
DAP: Glennys Farrar
DGRAV: Nicolas Yunes

Advisory Group 2022

- DPF Executive Committee
 - Secretary/Treasurer: Tulika Bose
 - Councilor: Bob Bernstein
 - Member-at-Large: Mary Bishai
 - Member-at-Large: Lauren Tompkins
 - Member-at-Large: Mayly Sanchez
 - Member-at-Large: Gordon Watts
 - Member-at-Large: Heather Gray
 - Member-at-Large: Kendall Mahn
 - Early Career Member: Julia Gonski
- Editor and Communication
 - Editor – Michael Peskin
 - Communication – Bob Bernstein
 - Technical Liaison – Sergei Chekanov
- Representatives from the Int. Community
 - Africa / Middle East
Azwinndini Muronga, Nelson Mandela Metropolitan Univ, South Africa
 - Asia / Pacific
Atsuko Ichikawa, Kyoto University, Japan
Xinchou Lou, IHEP, China
 - Canada
Heather Logan, Carleton University
 - Europe / Russia
Val Gibson, Cavendish Laboratory, UK
Berrie Giebels, CNRS, France
Michelangelo Mangano, CERN
 - Latin America
Claudio Dib, Universidad Tecnica Federico Santa Maria, Chile

Lecture series

- AF/EF joint lecture series: “the Snowmass Agora on Future Colliders”
The first meeting on Dec. 15: Linear Colliders.
- Physics on the FNAL muon campus – TBA
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Snowmass December Newsletter

Please help for the year-end SG letter

<https://docs.google.com/document/d/16WMuDHmMX3xWMvww1WDliKBzYijmV04Q-VSGucNkl0c/edit>

Joel:

DOE proposal for frontier meetings

Gordon/Shih-Chieh:

DOE proposal for CSS meeting.

From Sekhar:

General questions from SG for Snowmass goals:
thus serve as proposed guidelines for the White papers/preparatory meetings
and convener's writings:

<https://docs.google.com/document/d/1zdvxiTvRIGpe8vDbzLOPQv8uBI-z08J3sBqShHykL9U/edit>

14:22:55 From Joel Butler : Agenda for the Muon Properties and Related Topics

Jan 14th: 1 PM Central Standard Time (all talks are 20 min, questions during discussion session)

1:00 PM Physics Motivation for the Muon Program (A. Petrov, Wayne State)

1:20 PM Overview of the CLFV Program (R. Bernstein, FNAL)

1:40 PM Compressor Ring: Rebunching PIP-II (E. Prebys, U.C. Davis)

2:00 PM Targeting at 1MW in a Solenoid: (K. Lynch, York)

2:20 PM Discussion 40 minutes

14:23:20 From Joel Butler : Jan 21st: 1 PM Central Standard Time (all talks are 20 min, questions during discussion session)

1:00 PM A Fixed-Field Alternating Gradient Synchrotron (PRISM) for Muon Experiments (Jaroslav Pasternak, Imperial College London)

1:20 PM PSI: Meson production target stations and upgrade to HIMB (D. Kiselev, PSI)

1:40 PM Muon Decay Experiments: (F. Renga, INFN Roma)

2:00 PM Muon-to-Electron Conversion Experiments: (B. Echenard, Caltech)

2:20 PM Discussion 40 minutes

14:23:45 From Joel Butler : Feb 4: 2 PM Central Standard Time (all talks are 20 min, questions during discussion session)

2:00 PM: Nhan V. Tran - Fixed-target muon experiments for dark sector

2:20 PM: Brendan Casey - Upgraded muEDM measurement and a negative Muon g-2 measurement

2:40 PM: Yannis Semertzidis, William M. Morse - Proton EDM in a Storage Ring

3:00 PM: Vladimir Shiltsev, Sergo R. Jindariani, Patrick J. Fox - Di-Muon-Spectroscopy Collider

3:20 PM: All - Questions and discussion

14:47:01 From R. Sekhar Chivukula (he/him/his) : "The goal for the lecture series is to facilitate cross-frontier discussions and coordinations, to discuss how the science shapes the requirements on future facilities, and to help us in our process of reaching a clear vision for our decadal goals and beyond."

14:47:50 From R. Sekhar Chivukula (he/him/his) : "the Steering Group would like to sponsor a few lecture series and discussions, to be initiated and organized by the relevant frontiers, intended for all Snowmass participants"

14:59:30 From R. Sekhar Chivukula (he/him/his) : <https://indico.fnal.gov/event/52161/overview>

Snowmass Timelines

