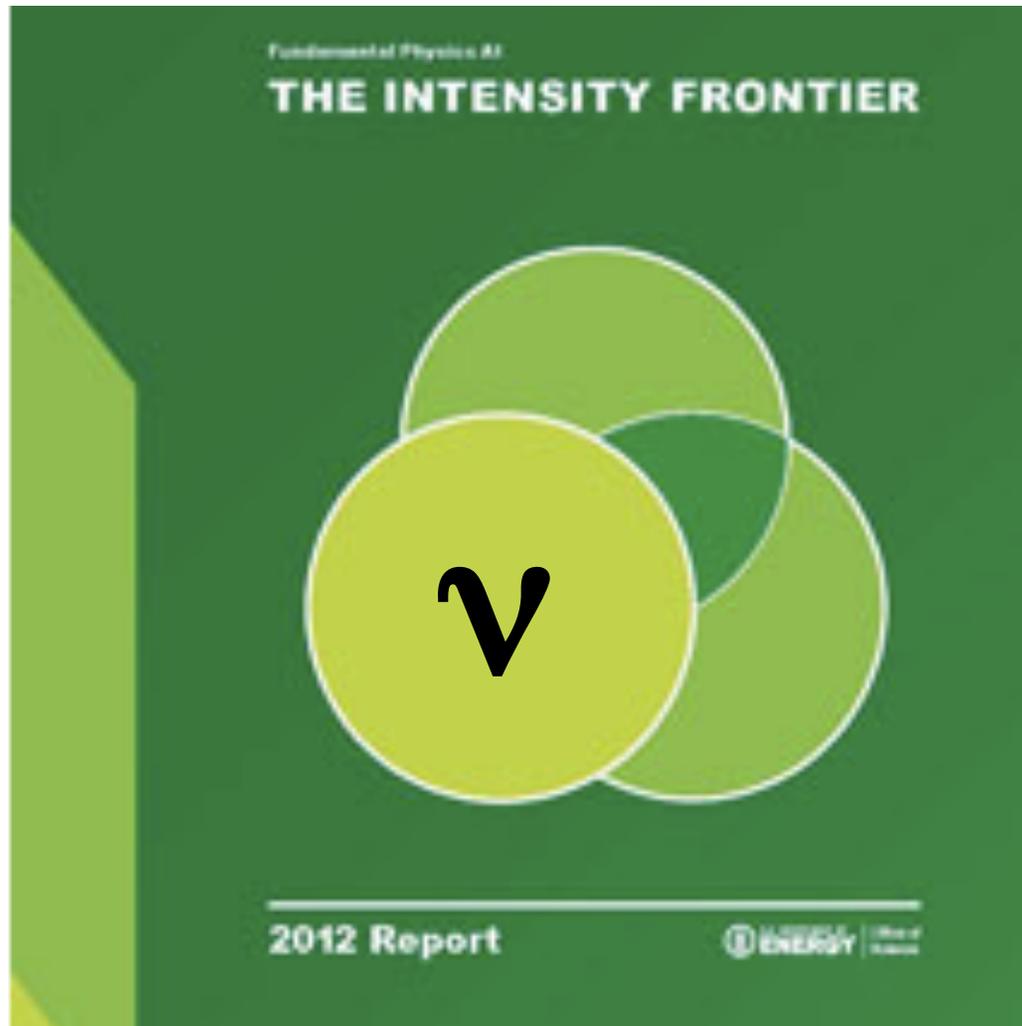


Neutrino Subgroup Summary



André de Gouvêa, Kevin Pitts, Kate Scholberg, Sam Zeller

SLAC, March 2013

Slide from Ken Long

ICFA has mandated a neutrino panel:

To promote international cooperation in the development of the accelerator-based neutrino-oscillation program and to promote international collaboration in the development a neutrino factory as a future intense source of neutrinos for particle physics experiments.

ICFA Neutrino Panel				
LONG	Kenneth	UK	Imperial	Experiment; chair
The Americas				
TANAKA	Hirohisa	Canada	Institute of Particle Physics	Experiment
FUNCHAL	Renata	Latin America	University of Sao Paulo	Theory
GEER	Stephen	USA	FNAL	Experiment, Accelerator
de GOUVEA	Andre	USA	Northwestern	Theory
ZELLER	Sam	USA	FNAL	Experiment
Asia				
KOBAYASHI	Takashi	Japan	KEK	Experiment
SHIOZAWA	Masato	Japan	Tokyo	Experiment
KIM	Soo-Bong	Korea	Seoul National University	Experiment
MONDAL	Naba	India	TIFR	Experiment
CAO	Jun	China	IHEP	Experiment
Europe				
MEZZETTO	Mauro	Italy	Padova	Experiment
DUCHESNEAU	Dominique	France	CNRS/IN2P3	Experiment
MALTONI	Michele	Spain	Madrid	Theory
WASCKO	Morgan	UK	Imperial	Experiment
SOBCZYK	Jan	Poland	Wroclaw	Theory

Neutrino Panel membership appointed for an initial three-year term

Neutrino Subgroup Timeline & Deliverables for Snowmass

<http://www.snowmass2013.org/tiki-index.php?page=Neutrinos>

Output:

1. ~60 (?) page writeup with section for each subgroup, written by subgroup conveners
(similar to 2012 IF document)
 2. ~6-8 page summary in IF ~30 page document, written by neutrino conveners
- 83 one-page whitepapers received from community will be included as an appendix
(can be updated)

Many opportunities for feedback from community:

- March 6: subgroup conveners will have draft outlines of their section of the neutrino working group document, informed by whitepapers
- March 6-7: [premeeting at SLAC](#), presentation of ideas and discussions
- **March 31**: first draft of neutrino working group document circulated to community for feedback
- April 1-24: first community comment period
- April 25-27: [Intensity Frontier Workshop at ANL](#), chance for feedback and discussion
- May 21: second draft of neutrino working group document circulated to community for feedback
- May 21-June 15: second community comment period
- July 1: third draft of document circulated to community for feedback

now

next
mile
stone

Please participate and give feedback!

**Updates will be posted on the wiki and
the neutrino-subgroup mailing list**

Neutrino Subgroups

- **Nu1: Neutrino Oscillations and the Three-Flavor Paradigm**
subgroup conveners: Mary Bishai, Karsten Heeger, Patrick Huber
- **Nu2: The Nature of the Neutrino: Majorana vs. Dirac**
subgroup conveners: Steve Elliott, Lisa Kaufman
- **Nu3: Absolute Neutrino Mass**
subgroup conveners: Hamish Robertson, Ben Monreal
- **Nu4: Neutrino Interactions**
subgroup conveners: Jorge Morfin, Rex Tayloe
- **Nu5: Anomalies and New Physics**
subgroup conveners: Boris Kayser, Jon Link
- **Nu6: Astrophysical and Cosmological Neutrinos**
subgroup conveners: Kara Hoffman, Cecilia Lunardini, Nikolai Tolich
- **Nu7: Neutrinos and Society**
subgroup conveners: Jose Alonso, Adam Bernstein

**Special thanks to local organizers
for heroic efforts!**

Mark Convery

JoAnne Hewett

Rich Partridge

Matt Graham

Suzette Escobar

Brigid Neff