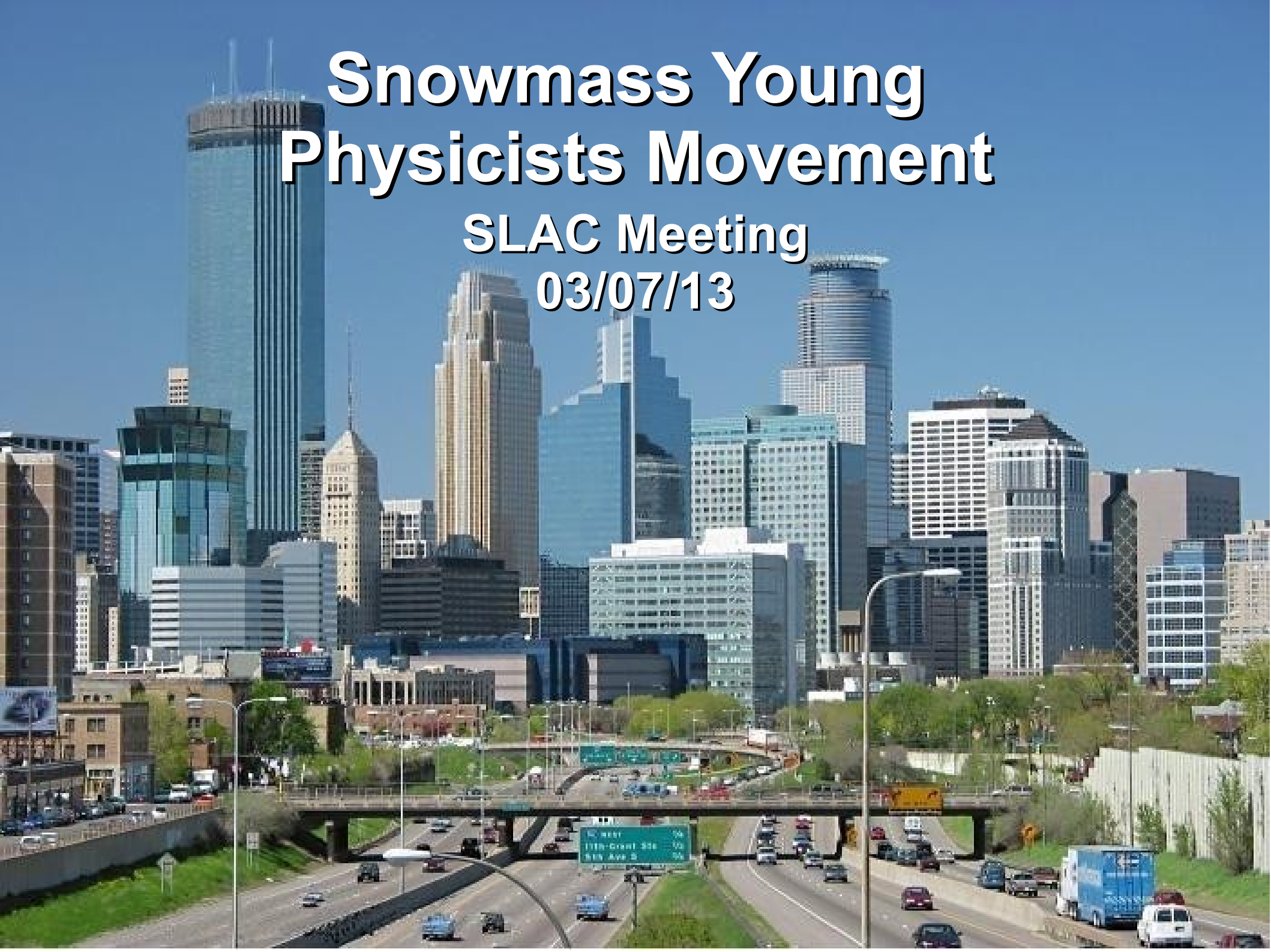


Snowmass Young Physicists Movement

SLAC Meeting
03/07/13



Young Physicists Movement

If you are like me, after two days of listening to proposals, ideas, and discussions your head feels like this

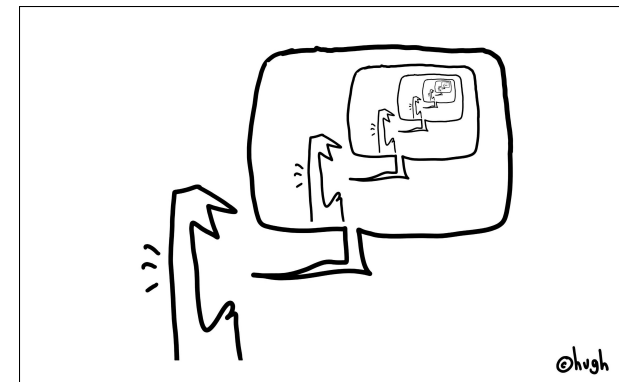


So to help focus us I want to use this parallel section to initially talk about two things in relation to the YPM.

- **YPM Survey**
- **Neutrino Young Physicists Discussion**

However we are by no means restricted to these subjects and we really need to hear from everyone about anything you find important to talk about.

→ I worry about the “leaders” of YPM being stuck in a echo chamber listening to the sound of our own voices



YPM Survey

- When starting to compile the ideas for the survey we had to ask “What is it we are trying to do with the survey?”
 - The answer to this turns out to be non-trivial and difficult at times to describe
 - So the conveners (~12 of us) sat down and listed off some questions we thought were interesting as well as decided on some broad themes that we thought we wanted to cover with this survey

**What are our lives and jobs like?
(Current and outlook)**

**What is the right path forward?
(Experiments and Physics)**

**What are the interesting things going on in HEP now?
(Experiments and Physics)**

**Who is taking the survey?
(Demographics)**

YPM Survey

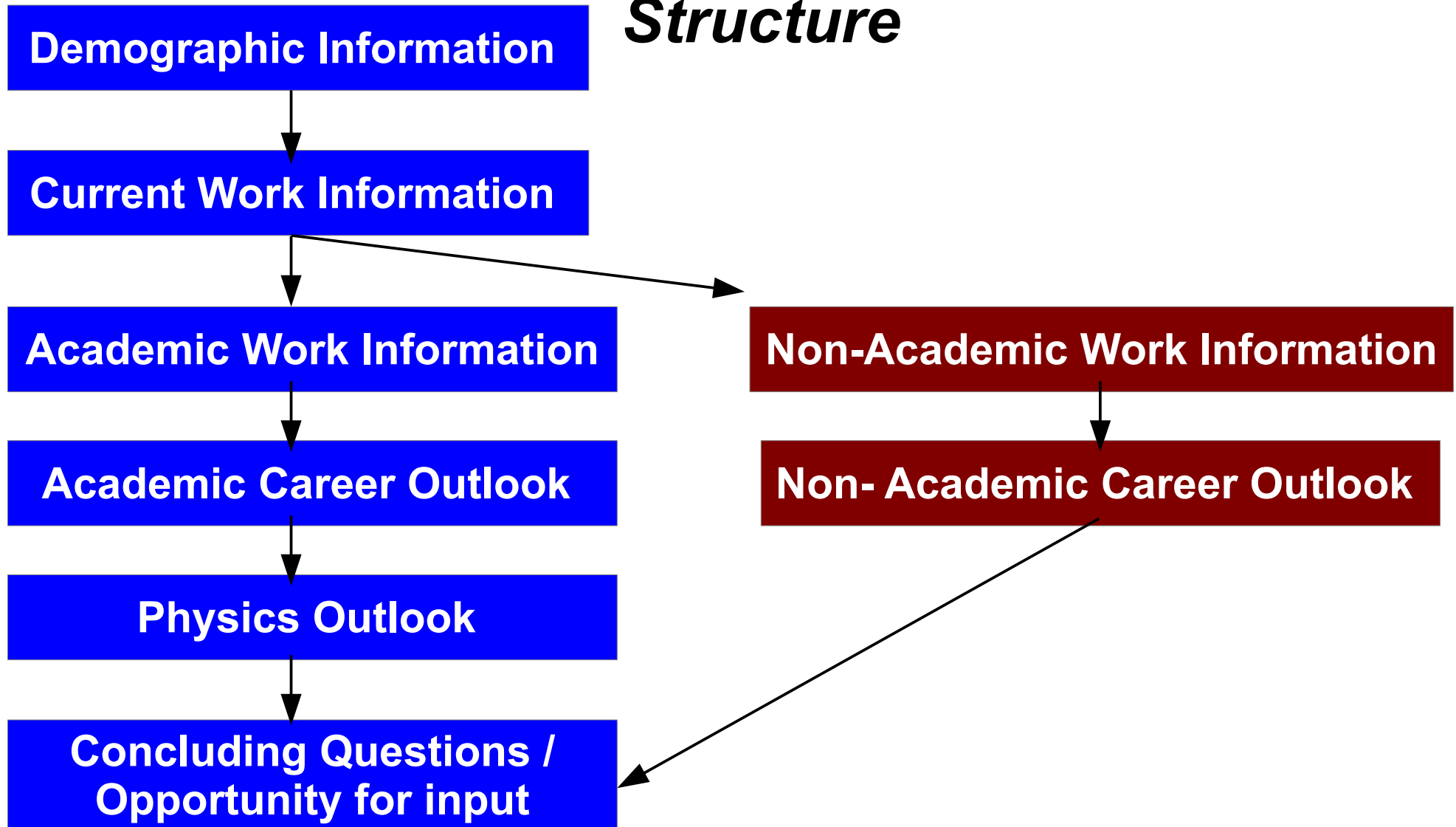
- With these questions in mind our target audience for this survey is as broad as possible.
 - “Young” People (Undergraduates, Graduates, Post-doc, nontenured scientists and faculty)
 - “Not Young” People (don't know the right way to say that...but you know who you are...those still inside HEP)
 - Those who “left the field”: People who have received their training in HEP (possibly even physics broadly) and are employed outside of academia

This audience range helps structure the form of the survey so only relevant questions are being asked to the respondent

(e.g. It is doubtful that someone who left the field is going to have attended Snowmass meetings)

YPM Survey

Structure



Note: All the ideas here are preliminary and subject to change based on input from the community

YPM Survey

Structure

Demographic Information

Current Work Information

Academic Work Information

Academic Career Outlook

Physics Outlook

Concluding Questions /
Opportunity for input

Non-Academic Work Information

Non-Academic Career Outlook

Areas I know we still need work on
the questions including adding
questions and refining the existing
questions

(Lots of area for people to contribute)

YPM Survey

A draft of all of our questions and the rough structure can be found in the link below.

The link is public and anyone can comment. However only the conveners can edit the questions so if you have input / concerns please email snowmass2013young@gmail.com and we will take all opinions into account when drafting the final version.

Our goal is to have this “live” by the end of March to start distributing at the April APS meeting

Google Doc for Survey Questions  **hyperlink**

<https://docs.google.com/document/d/1FWletLaW-X5vsQn2ZgoVJZ5hPcl5pl58izyV-KkY1UU/edit?usp=sharing>

Copy and paste version 

We will take some time toward the end of this session to grind through some of the questions and get feedback from people at this meeting



Snowmass Young Physicists Survey

DEMOGRAPHIC INFORMATION

What is your gender?

- Male
- Female
- Prefer not to answer
- Other:

Are you a US citizen?

What is the most advanced degree you currently hold?

- High School Diploma
- Associates Degree
- Bachelors Degree
- Masters Degree
- Ph.D.

In what year did you earn your most recent degree?

Please grade each of the following career related concerns in terms of which you find the most important to you and your future in high energy physics.

Grade on a scale of one to ten. 10 = Great deal of concern, 1 = No concern / does not impact me

Availability of university based jobs

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

Availability of laboratory based jobs

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

Funding for large scale long lead time experiments in the future

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

Funding for small scale short lead time experiments in the future

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

Proximity to your home institution of future planned experiments

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

The importance placed on outreach work by hiring committees and funding agencies

1 = No concern / does not impact me, 10 = Great deal of concern,

1 2 3 4 5 6 7 8 9 10

Snapshots of the survey as it exists now

Interesting issues brought up and in need of discussion

- **Quality of life questions / improvement to work**
 - It was brought to my attention that one area that our seniors are interested in learning about is what can be done to improve our work (efficiency and quality) and our day-to-day lives
 - Some of these questions are in our survey...but could be expanded
- **The role of APS as an asset to the community**
 - Another interesting point brought up in discussion is what role does APS play in our careers and do we think it should be doing something different
 - Other societies (Chemistry society, engineering society, etc...) provide a larger base of career information beyond academic routes (which is the primary concern of APS)
 - Tough to get at with a survey...but could be a point of discussion or an action item that we take our results to for later conversation
- **Other issues we are missing**

Open forum for discussion on Neutrino Physics related ideas

We need to hear all the ideas...the big ideas...the small ideas...the crazy ideas...now it is about quantity of ideas not quality of ideas

- Which of the planned experiments are you excited to work on in the future? Why? Why not?
- Which experiments are you worried about going forward?
- Are all the important physics questions being addressed? Are they addressed in the right order of importance?
- Is there other things we could be doing to make neutrino physics important and well understood by the broader physics and non-physics community?
- Are there work/life concerns that are specific to young people doing neutrino physics that should be addressed? (*Things that might not be understood by other areas of HEP?*)
- ??????