

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES  
BOARD OF PHYSICS AND ASTRONOMY

**Committee on Elementary Particle Physics – Progress and Promise**

**Meeting No. 1**

**July 26-27, 2022**

**Seattle, Washington**

**ALL TIMES IN US PACIFIC DAYLIGHT TIME (UTC-7:00)**

This agenda is a draft, subject to change, and was last updated on 7/25/2022 11:27 AM

**AGENDA**

**TUESDAY, JULY 26, 2022**

*Open to Public Viewing*

*Livestream Link:* <https://livestream.com/nasem/events/10541367>

<b>2:00 PM</b>	<b>Welcome to The National Academies Study</b>	<i>Dr. Colleen Hartman, BPA Board Director</i>
<b>2:02 PM</b>	<b>Welcome to the Meeting and Brief Introduction to the Committee</b>	<i>Dr. Maria Spiropulu, Co-Chair / Dr. Michael Turner, Co-Chair / Dr. Daniel Nagasawa, Study Director</i>
<b>2:07 PM</b>	<b>Budgetary Considerations for Elementary Particle Physics*</b> (40 minute presentation & 20 minute discussion period)	<i>Dr. Joel Parriott, Asst. Director for Federal Research and Development, OSTP</i>
<i>3:07 PM</i>	<i>Short Break</i>	
<b>3:10 PM</b>	<b>National Science Foundation Perspective on the Statement of Task*</b> (30 minute presentation & 30 minute discussion period)	<i>Dr. Denise Caldwell, Division Director, Physics, NSF</i>
<i>4:10 PM</i>	<i>Break</i>	
<b>4:30 PM</b>	<b>Department of Energy Perspective on the Statement of Task*</b> (30 minute presentation & 30 minute discussion period)	<i>Dr. Glen Crawford, Division Director, Research and Technology, DOE</i>
<i>5:30 PM</i>	<i>Meeting Adjourns to Closed Session (or at a time at the discretion of the Co-Chairs)</i>	

\* Placeholder Title – To Be Updated Closer to Meeting Date



## WEDNESDAY, JULY 27, 2022

Open to Public Viewing

Livestream Link: <https://livestream.com/nasem/events/10541367>

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| 9:00 AM  | <b>Recap of Day 1 and Overview of Day's Agenda</b>  | <i>Dr. Maria Spiropulu, Co-Chair /<br/>Dr. Michael Turner, Co-Chair</i>                        |
| 9:05 AM  | <b>European Strategy for Particle Physics*</b><br>(40 minute presentation & 20 minute discussion period)                  | <i>Dr. Fabiola Gianotti, Director General,<br/>CERN</i>  |
| 10:05 AM | <i>Short Break</i>  |  |
| 10:15 AM | <b>Science Progress since Elementary Particle Physics 2010*</b><br>(40 minute presentation & 20 minute discussion period) | <i>Dr. Joe Lykken, Deputy Director of<br/>Research, Fermi National Laboratory</i>              |
| 11:10 AM | <i>Short Break</i>  |  |
| 11:20 AM | <b>Snowmass Process and Results from Snowmass 2022*</b><br>(40 minute presentation & 20 minute discussion period)         | <i>Dr. Joel Butler, Chair, Division of Particles<br/>and Fields, American Physical Society</i> |
| 12:20 PM | <i>Meeting Adjourns to Closed Session; Reconvene in Open Session at 1:20pm PDT</i>  |  |
| 1:20 PM  | <b>Asia Strategy for Particle Physics *</b><br>(40 minute presentation & 20 minute discussion period)                     | <i>Dr. Hitoshi Murayama, Professor,<br/>U. of California - Berkeley</i>                        |
| 2:20 PM  | <b>Closing Comments from Co-Chairs</b>  | <i>Dr. Maria Spiropulu, Co-Chair /<br/>Dr. Michael Turner, Co-Chair</i>                        |
| 2:30 PM  | <i>Meeting Adjourns to Closed Session (or at a time at the discretion of the Co-Chairs)</i>                               |  |

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**The following information is provided for any members of the general public who may be in attendance:**

This meeting is being held to gather information to help the committee in its charge. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn nor will recommendations be made. Observers who draw conclusions about the committee's work based on this meeting's discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person's future position as it may evolve in the course of the project. Any inference about an individual's position are therefore also premature.

**NOTES FOR PRESENTERS**

Your presentation may not include unpublished data, ITAR controlled and/or other sensitive information.

At some point a staff member will be asking you to sign a consent form allowing us to use your presentation, specifically to post it on our website.

## STATEMENT OF TASK

**Task Initiated on 25 August 2021**

The National Academies of Sciences, Engineering, and Medicine will convene an ad hoc committee to:

- Identify the fundamental questions in particle physics that could motivate research in the next decade and beyond, irrespective of the tools and techniques to address them.
- Distinguish which of these questions could be addressed with available experimental and theoretical tools in the coming decade and which could require new techniques or approaches.
- Suggest technical research areas that could provide particle physics with new tools needed to enable new techniques and approaches.
- Suggest different ways of thinking and alternative approaches from other areas of science that could be incorporated into and benefit the overall particle physics enterprise.