

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES

Board on Physics and Astronomy
2022 Spring Meeting

April 27-28, 2022

Virtual Meeting

ALL TIMES IN US EASTERN DAYLIGHT TIME (UTC-4:00)

PUBLIC AGENDA

WEDNESDAY, APRIL 27, 2022

OPEN SESSION

Open to Public Viewing

Livestream Link: <https://livestream.com/accounts/7036396/events/10344909>

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|----------------|--|---|
| 1:30 PM | Welcome and Introductions | <i>Dr. Andrew Lankford, BPA Chair</i> |
| 1:35 PM | Update on National Science Foundation (NSF) Physics Division
<i>Introduced by Dr. Meigan Aronson, BPA Member</i>
(25 minute presentation & 15 minute discussion period) | <i>Dr. Denise Caldwell</i>
<i>Division Director</i>
<i>Division of Physics, NSF</i> |
| 2:15 PM | Update from Dept. of Energy (DOE) Office of High Energy
<i>Introduced by Dr. Sally Dawson, BPA Member</i>
(25 minute presentation & 15 minute discussion period) | <i>Dr. Glen Crawford, Director,</i>
<i>Research & Technology Division,</i>
<i>High Energy Physics, Office of</i>
<i>Science, DOE</i> |
| 2:55 PM | <i>Break (30 minute break period)</i> | |
| 3:25 PM | NSF Response to Astro2020 Decadal Survey
<i>Introduced by Dr. Risa Wechsler, BPA Member</i>
(20 minute presentation & 20 minute discussion period) | <i>Dr. Debra Fischer, Director,</i>
<i>Division of Astronomical Sciences, NSF</i> |
| 4:05 PM | NASA Response to Astro2020 Decadal Survey
<i>Introduced by Dr. Chung-Pei Ma, BPA Member</i>
(20 minute presentation & 20 minute discussion period) | <i>Dr. Paul Hertz, Director, Astrophysics</i>
<i>Division, Science Mission Directorate, NASA</i> |
| 4:45 PM | Update from Committee on Radio Frequencies (CoRF)
<i>Introduced by Dr. David Reitze, BPA Member</i>
(10 minute presentation & 10 minute discussion period) | <i>Dr. Nathaniel Livesey, CoRF Chair</i> |
| 5:05 PM | <i>Meeting Adjourns to Executive Session</i> | |

THURSDAY, APRIL 28, 2022

OPEN SESSION

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- 11:00 AM **Recap of Day 1 and Review of Day 2 Agenda** *Dr. Andrew Lankford, BPA Chair*
- 11:05 AM **Physics of Life - Decadal Survey Briefing** *Dr. William Bialek, Decadal Committee Chair*
Introduced by Dr. Andy Lankford, BPA Chair
(50 minute presentation & 25 minute discussion period)
- 12:20 PM *Break (55 minute break period)*
- 1:15 PM **Outcomes from the Plasma20 Decadal Survey** *Dr. Mark Kushner, Decadal Co-Chair*
Introduced by Dr. Alan Hurd, BPA Member
(25 minute presentation & 15 minute discussion period)
Dr. Gary Zank, Decadal Co-Chair
- 1:55 PM **Fusion Summit Summary from Office of Science and
Technology Policy (OSTP)** *Dr. Sally Benson, Deputy Director
for Energy, OSTP*
Introduced by Dr. Jill Dahlburg, BPA Member
(20 minute presentation & 15 minute discussion period)
- 2:30 PM *Break (30 minute break period)*
- 3:00 PM **Panel on Private Philanthropy Science Funding**
(10-minute presentation each and 40-minute discussion)
Moderator: *Introduced by Dr. Angela Vilella Olinto, BPA Member*
Panelists: *Dr. France Córdova, President, Science Philanthropy Alliance*
Dr. Adam Falk, President, Alfred P. Sloan Foundation
Dr. Chris Martin, Director, Physical Sciences, The Kavli Foundation
Dr. David Spergel, President, Simons Foundation
- 4:40 PM *Meeting Adjourns to Executive Session*

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.