The National Academies of
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DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
BOARD ON PHYSICS AND ASTRONOMY
SPACE STUDIES BOARD

This agenda was last updated on 11/9/2021 10:26 AM

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS
November 8-9, 2021
Public Draft Fall Virtual Meeting

MONDAY, NOVEMBER 8, 2021

Pacific/Eastern Time Zones

CLOSED SESSION		
8:30 AM/11:30 AM	**Closed Session** **(Committee and Staff Only)**	
9:10 AM/12:10 PM	*Break and Reconvene in Open Session* (20 mins)	

OPEN SESSION		
9:30 AM/12:30 PM	**Welcome and Introductions**	Tom Greene and Chris McKee CAA Co-Chairs
9:35 AM/12:35 PM	**Update from NASA Astrophysics** *(Presentation 45 min, Q&A 25 min)* - Significant Program Changes and Developments	Paul Hertz
10:45 AM/1:45 PM	**Update from NSF Astronomical Sciences** *(Presentation 45 min, Q&A 25 min)* - Significant Program Changes and Developments	Debra Fischer
11:55 AM/2:55 PM	*Break* (35 mins)	
12:30 PM/3:30 PM	**Update from DOE High Energy Program** *(Presentation 45 min, Q&A 25 min)* - Significant Program Changes and Developments - Progress on Astro2010 Recommendations	Kathleen Turner
1:40 PM/4:40 PM	Brief Break and Reconvene in Closed Session (5 mins.)	

CLOSED SESSION		
1:45 PM/4:45 PM	**Closed Session** **(Committee and Staff Only)**	
3:00 PM/6:00 PM	*Meeting Adjourns for the Day*	

TUESDAY, NOVEMBER 9, 2021

OPEN SESSION

8:30 AM/11:30 AM	**Welcome and Introductions**	Chris McKee and Tom Greene CAA Co-Chairs
8:35 AM/11:35 AM	**NASA's Progress on Astro2010 Recommendations** *(Presentation 25 min, Q&A 25 min)*	Paul Hertz
9:25 AM/12:25 PM	**A New Way to Learn the Universe: Deep Learning Accelerated Simulation Based Inference** *(Presentation 45 min, Q&A 10 min)*	Shirley Ho Flatiron Institute
10:20 AM/1:20 PM	**NSF's Progress on Astro2010 Recommendations** *(Presentation 25 min, Q&A 25 min)*	Debra Fischer
11:10 AM/2:10 PM	*Short Break* (20 mins.)	
11:30 AM/2:30 PM	**Pathways to Discovery in Astronomy and Astrophysics for the 2020s Report Briefing** (90 mins.) - Co-Chair's Rollout and Perspective - How Can the CAA Help?	Fiona Harrison and Rob Kennicutt, Co-Chairs
1:00 PM/4:00 PM	*Open Session Concludes, Brief Break, and Reconvene in Closed Session* (5 mins.)	

CLOSED SESSION

1:05 PM/4:05 PM	**Closed Session (Committee and Staff Only)**	
2:00 PM/5:00 PM	*Meeting Adjourns*	

REMOTE CONNECTION DETAILS

Meeting Open to the Public
Livestreaming Link: https://livestream.com/accounts/7036396/events/9902813

GENERAL NOTES

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.

RECORDING OF THE MEETING

This meeting will be recorded on Zoom by the National Academies of Sciences, Engineering, and Medicine ("The Academies"). Please be aware that by attending the meeting, you consent to your voice and likeness being for use on the Committee's website and in any media now known or hereafter devised in perpetuity, and you release The Academies from any liability due to such usage.

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS WEBSITE: https://www.nationalacademies.org/our-work/committee-on-astronomy-and-astrophysics
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