

2025 Current Fiscal Year Report: High Energy Physics Advisory Panel

Report Run Date: 06/02/2025 12:10:41 PM

1. Department or Agency

Department of Energy

2. Fiscal Year

2025

3. Committee or Subcommittee

High Energy Physics Advisory
Panel

**3b. GSA Committee
No.**

178

4. Is this New During Fiscal Year? **5. Current Charter** **6. Expected Renewal Date** **7. Expected Term Date**

No 08/09/2023 08/09/2025

8a. Was Terminated During Fiscal Year?

No

**8b. Specific
Termination
Authority**

**8c. Actual
Term Date**

**9. Agency
Recommendation for Next
Fiscal Year**

Continue

**10a. Legislation
Req to Terminate?**

Not Applicable

**10b.
Legislation
Pending?**

Not Applicable

11. Establishment Authority Agency Authority

**12. Specific
Establishment
Authority**

AGENCY

**13.
Effective
Date**

01/13/1967

**14.
Committee
Type**

Continuing

**14c.
Presidential?**

No

15. Description of Committee Scientific Technical Program
Advisory Board

**16a. Total
Number of
Reports**

No Reports for
this Fiscal Year

17a. 0 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 0
Open

Meetings and Dates

No Meetings

**Current Next
FY FY**

18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$0.00	\$0.00
18d. Total	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

HEPAP at its meetings reviews the advances and current trends in high energy physics and makes recommendations to the Director, Office of Science (DOE) and the Assistant Director, Mathematical & Physical Sciences Directorate (NSF) regarding strategic positioning of the research program.

20b. How does the Committee balance its membership?

The Panel is selected to maintain an appropriate balance among areas of technical experimental physics, accelerator physics, and general science; various types of institutional affiliation (university, national laboratory); and geographical location.

The Panel has been balanced in accordance with requirements of the Federal Advisory Committee Act.

20c. How frequent and relevant are the Committee Meetings?

The HEPAP meets on average two to three times a year and provides advice and recommendations to the Director of the Office of Science, DOE and the Assistant Director, Mathematical and Physical Sciences Directorate, NSF. The agency provides feedback to the committee at its various meetings where the Associate Director, Office of High Energy Physics (DOE), and the Assistant Director, Mathematical & Physical Sciences Directorate (NSF) give a verbal report to the committee regarding their advice. The committee meetings can be face-to-face or remote. There were three meetings in 2024. two were hybrid and one was virtual, using zoom.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The advice of the HEPAP is essential in carrying out the best national program in high energy physics. There is no other advisory committee within the Federal Government which includes sufficient expertise in high energy physics research to provide informed advice in this area of high energy physics research. The requisite knowledge and experience are also not available within DOE or NSF.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

Designated Federal Officer

Regina Rameika DFO

Committee Members	Start	End	Occupation	Member Designation
Anchordoqui, Luis	03/25/2022	03/25/2025	Lehman College, CUNY, New York 10468	Special Government Employee (SGE) Member
Arce, Ayana	03/25/2022	03/25/2025	Duke University	Special Government Employee (SGE) Member
Bloom, Kenneth	03/25/2023	03/25/2026	University of Nebraska-Lincoln	Special Government Employee (SGE) Member
Cousineau, Sarah	03/25/2023	03/25/2026	Oak Ridge National Laboratory	Special Government Employee (SGE) Member
Fahim, Farah	03/30/2024	04/02/2027	Fermilab	Special Government Employee (SGE) Member
Malik, Subhir	03/25/2022	03/25/2025	Universidad de Puerto Rico	Special Government Employee (SGE) Member
Prescod-Weinstein, Chanda	03/30/2024	03/31/2027	University of New Hampshire	Special Government Employee (SGE) Member
Quinn, Breese	03/30/2024	03/31/2027	University of Mississippi	Special Government Employee (SGE) Member
Sanchez, Mayly	03/25/2022	03/25/2025	Florida State University	Special Government Employee (SGE) Member
Schleier-Smith, Monika	03/25/2023	03/25/2026	Stanford University	Special Government Employee (SGE) Member
Seidel, Sally	03/25/2022	03/25/2025	University of New Mexico	Special Government Employee (SGE) Member
Soares-Santos, Marcelle	03/25/2023	03/25/2026	University of Michigan	Special Government Employee (SGE) Member

Tanedo, Philip	03/25/2023	03/25/2026	University of California, Riverside	Special Government Employee (SGE) Member
Toro, Natalia	03/25/2022	03/25/2025	SLAC National Accelerator Laboratory	Special Government Employee (SGE) Member
Yamamoto, Akira	03/30/2024	03/31/2027	KEK	Representative Member
de Gouvea, Andre	03/30/2024	03/31/2025	Northwestern University	Ex Officio Member

Number of Committee Members Listed: 16

Narrative Description

HEPAP at its meetings reviews the advances and current trends in high energy physics and makes recommendations to the Director, Office of Science(DOE), and to the Assistant Director, Mathematical & Physical Sciences Directorate of the National Science Foundation (NSF) regarding strategic positioning of the research program including the possible consideration of major new research projects and construction. In FY2022, HEPAP was charged to carry out a study on the competitiveness and collaborativeness of the HEP program with other international efforts in high energy physics. HEP collaborates with foreign universities and institutions in some cases and competes for talent and research results in others. All of these efforts were subject to this HEPAP charge. The charge requested a report from a HEPAP subpanel by mid-September of 2022. The report was delayed to the November 2, 2023 HEPAP meeting where it was presented, discussed, voted upon and accepted. In 2023 HEPAP was charged to produce a new 10- year plan for the High Energy Physics domestic program, by forming a new Particle Physics Projects Prioritization Panel (P5). A chairperson and Deputy Chairperson were chosen, and a subpanel of HEPAP consisting of 39 members chosen from the university and lab high energy physics communities was formed. Townhalls and smaller meetings were organized for the summer and fall of 2023 to collect input in preparation to writing a report that presented the 10-year plan. The report was requested by the winter 2023 HEPAP meeting which occurred December 7-8, 2023, where it was presented, discussed, voted upon and accepted. The Office of High Energy Physics gave

HEPAP two additional charges at the December 7-8, 2023, meeting. The first was to form a Committee of Visitors (COV) to assess the processes of the Facilities division of the Office of High Energy Physics and issue a report of its findings. That report is expected at the December 5-6, 2024, meeting. A second charge was issued by the Director of the Office of Science and asked HEPAP to assess the Office of High Energy Physics' major operating facilities and its plans for additional facilities over the next decade. HEPAP formed a subpanel to address this charge and issued its report at the May 9-10, 2024, HEPAP meeting where the report was discussed, voted upon and accepted.

What are the most significant program outcomes associated with this committee?

Checked if
Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>

\$5,000,001 - \$10,000,000

☐

Over \$10,000,000

☐

Cost Savings Other

☐

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

559

Number of Recommendations Comments

Since 1968 the High Energy Physics Advisory Panel has issued over 75 reports covering all aspects of the field of High Energy Physics. We estimate that there have been hundreds of recommendations over the duration of the committee, but do not know the exact number.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

80%

% of Recommendations Fully Implemented Comments

What percentage of all HEPAP recommendations have been fully implemented is difficult to assess. The vast majority of recommendations rest on solid foundations and HEP agrees with these recommendations and attempts to implement them whenever possible within budgetary constraints.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

20%

% of Recommendations Partially Implemented Comments

The percentage of partially implemented recommendations is difficult to assess. Most recommendations are either fully implemented or not because the recommendations are based on different funding scenarios. If a recommendation was not implemented it was not necessarily because HEP disagreed with the recommendation. A historical estimate of 20% for partially implemented or not implemented at all is a reasonable estimate.

Does the agency provide the committee with feedback regarding actions taken to

implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

The Agency, including NSF, provides feedback to the committee at its various meetings where the Director, Office of Science(DOE),and the Assistant Director, Mathematical & Physical Sciences Directorate (NSF) give verbal reports to the committee regarding their advice and recommendations. The public can obtain agency feedback on the website <http://science.energy.gov/hep/hepap/>

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Action Comments

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

N/A