

Government Relations Report: DC Trip Recap + Plans for 2025

Kiley Kennedy, obo the Government Relations Subcommittee December 18, 2024



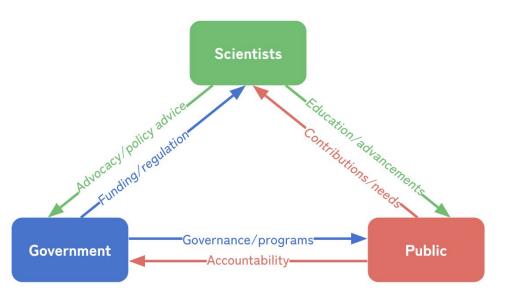


Is High Energy Physics "Political"?

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Not really, but...

- We (scientists) are embedded in a complex web of varying interests, understanding, and power
- Funding levels depend on the interplay of a variety of evolving factors



Federal Budgeting and Funding in a Nutshell

	Formulation														Legislation									Execution											
FY 20XX Budget	DOE Internal Planning with OMB and OMB OSTP Guidance Review												Budget Release		Congressional Budget and Appropriations						Spend the Fiscal Year Budget														
	Oct N	lov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun J	ul Au	s Sep
	CY(XX–3) Calendar Year (20XX–2)																	Calendar Year (20XX–1)									Calendar Year 20XX								
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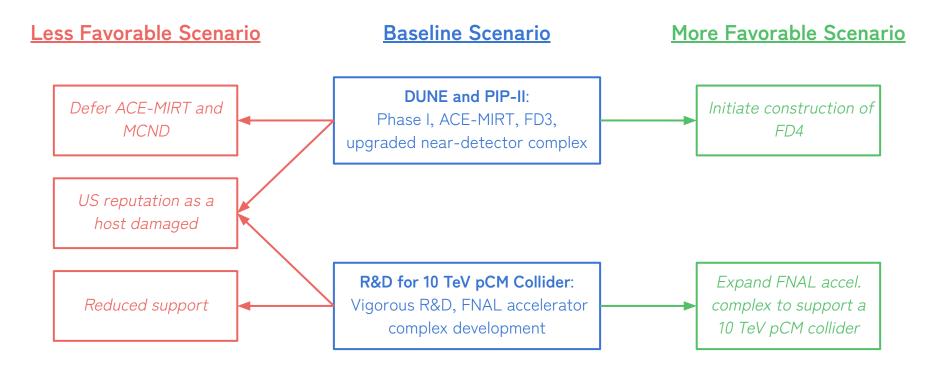
DC Trip

Start of Fiscal Year

- Formulation: Executive Branch prepares the President's Budget Request (PBR)
 - White House Office of Management and Budget (OMB) works with executive branch agencies (DOE, NSF) to develop budget proposals based on funding levels and priorities
- Legislation: Congress enacts laws that control spending
 - Each chamber develops its own budget resolutions and bills, which may differ from PBR
 - Bill must be passed by both chambers and signed by the President
- Execution: Executive Branch agencies carry out program

P5 Budget Scenario Breakdown (2 Examples)





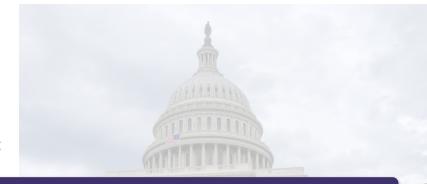
ADVOCACY

HEP Annual Advocacy Effort – The "DC Trip"

- Joint effort between <u>UEC</u>, <u>USLUA</u>, and <u>SLUO</u>, with support from <u>APS DPF</u>, on behalf of entire US HEP Community
 - $\circ~$ Recent uptick in support from ANL, BNL, LBNL
 - Interest from SURF Users Org., potentially PNL, LBL
- Team of ~40-70 volunteers travel to DC for ~3-5 days of meetings with legislative and executive offices



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Prof. Breese Quinn: "We have worked hard to successfully earn the reputation of being the 'gold standard' of program planning, not just in science, but more broadly. We have profited from that reputation immensely."

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Our Advocacy Goals

"The Ask" for FY2025

The U.S. particle physics community asks for your support of the P5 Report's strategic plan by providing FY2025 appropriations that include:

\$1.385B for High Energy Physics within a budget of
\$9.5B for the Department of Energy's Office of Science, and \$11.9B for the National Science Foundation, consistent with the bipartisan CHIPS and Science Act

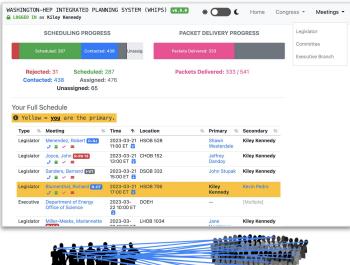
This level of funding will advance HEP's highest priority large-scale projects, sustain operations of existing and recently constructed facilities, and promote a portfolio of small and medium-sized projects. This funding level is especially important to increase support for scientific researchers at universities and national laboratories across the country who are exploring our quantum universe through the Higgs Boson, dark matter, dark energy, neutrinos, and new particles and forces that govern the origin and evolution of the cosmos.

- Funding priorities set by the latest P5 Report
- Convey the nature, excitement, and importance of the physical sciences, and HEP in particular
- Establish and build relationships with every congressional office

Organization + Materials

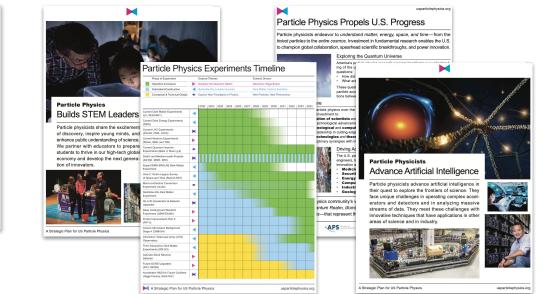
WHIPS – Washington-HEP Integrated Planning System

- Centralized platform for planning, executing, and documenting HEP advocacy efforts
- Logistics, Institutional Memory, Materials



Materials - "The Packet"

- P5 priorities, physics motivations, experiments, facilities, applications, outreach, and much more
- Adapt materials for each meeting



Developed and maintained by Justin Vasel + Fernanda Psihas

A. C.A. 9.979

Led by Michael Cooke, Bryan Field + the <u>UsParticlePhysics.org</u> Content Group

On the Ground in DC

Legislator Meetings (most common) In pairs, meet with up to 541 legislative offices in House and Senate

Committee Meetings

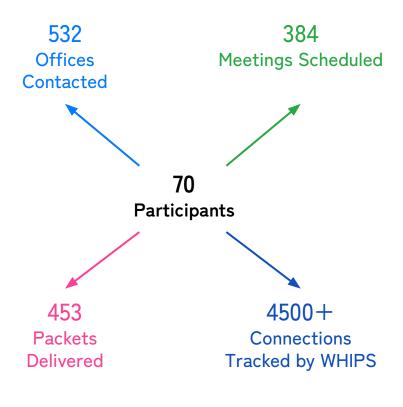
In small groups, meet with relevant Appropriations Subcommittee offices

Executive Meetings

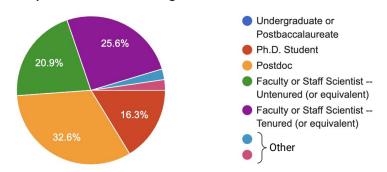
In groups of ~10-15, meet with OMB, OSTP, DOE (OSC + HEP), NSF, State



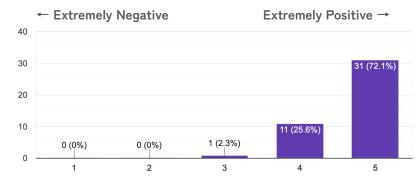
2024 DC Trip By the Numbers



Participant Career Stage Breakdown:



Participant Rating of Overall Experience on the Trip:



USLUA Contributions to 2024 DC Trip

- 34 LHC-affiliated participants
- USLUA financially supported 14
 - \circ Many funded via UEC
 - \circ Some funded via lab/university



Thank you to the wonderful USLUA contingent!

Aaron Wang Abraham Tishelman-Charny Ann Wang Anthony Badea Ashling Quinn Brendon Bullard Christopher Madrid David Yu Gabriel Matos Garvita Agarwal Gwen Gardner Harvey Newman Irene Dutta Isobel Ojalvo Jannicke Pearkes Johan Sebastian Bonilla Castro John Stupak

Jordan Ashley Karri DiPetrillo Kevin Pedro Kiley Kennedy l auren l arson l awrence l ee Luigi Marchese Melissa Quinnan Nathan Grieser Neeti Parashar Rachel Bartek Ryan Kim Saptaparna Bhattacharya Sergei Gleyzer Sridhara dasu **Thomas Boettcher** Toby Satterthwaite

DC Trip: Plans for 2025

- Organization started late November with SLUO and Fermilab UAEC
 - Discussions with SURF, ANL, BNL, LBNL already
- Held Info Session for Newcomers in 12/5 recording available
 - Interest form for DC Trip 2025 still open: <u>CLICK HERE</u>
 - Over 40 attendees and 34+ interest form responses!
- Dates: to be announced in January 2025 → anticipate March or April trip date
 - Work closely with Lewis-Burke Associates to determine most "advantageous" time to target legislative offices, which can vary year-to-year
 - Past years: most DC Trips in March, sometimes in April anticipate later schedule this year
 - Will not conflict with APS, major ATLAS/CMS meetings
- USLUA Funding: Targeting support for ~20 participants

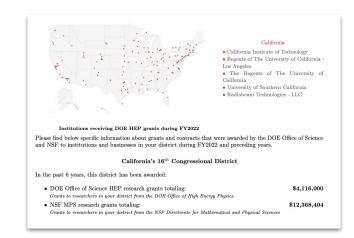
DC Trip: Plans for 2025

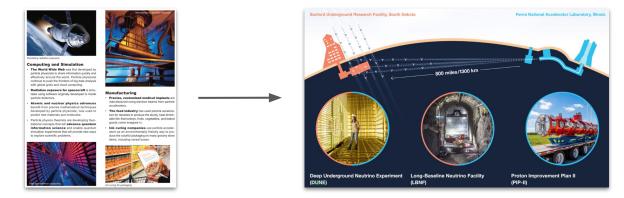
• WHIPS Development

- Small bug fixes to some district letters
- Try to include data from entire NSF (not just MPS) for districts with lower funding levels

Packet Development

• Move from text-heavy to photo-forward – based on feedback form from 2024 DC trip





About the Organizers in 2025



David Yu, Fermilab UAEC

Government Relations Chair, Assistant Prof., SUNY Buffalo on CMS

UAEC Gov. Rel. Deputies: Tova Holmes, Luigi Marchese, Ali Eren Simsek



Kiley (me), <u>USLUA</u>

Government Relations Chair, Postdoc at Princeton on CMS

USLUA Government Relations Team: Karri Di Petrillo, Joe Haley, Lauren Larson, Matt LeBlanc, Harvey Newman, David Saltzberg, John Stupak, Caterina Vernieri



Kelly Stifter, SLUO

Government Relations Chair, Associate Scientist at SLAC in low-mass dark matter experiment

Other SLUO organizers: River Robles, Toby Satterthwaite



Vetri Velan

Postdoc at Lawrence Berkeley National Lab in dark matter (LZ, TESSERACT)

DC Trip: Ingredients to Success

• DC Trip Preparation

- \circ A catalog of updated advocacy materials easily adaptable to different scenarios $\star \star \star$
- \circ Continued development and support of WHIPS \star
- A comprehensive (science) communication training program $\star \star$
- \circ Sustained documentation, support materials, and institutional knowledge \star

• DC Trip Participants

- An enthusiastic cohort of early career researchers $\star \star$
- A solid group of highly experienced advocates who possess critical institutional knowledge and established Hill connections 🗙
- The HEP Community
 - \circ A strong sense of support (both moral and financial) for trip participants \star

How can I contribute?

K. Kennedy

★ As an early career researcher

★ As a mid-career or senior researcher, or experienced advocate

Conclusions + Outlook

- Successful 2024 DC Trip:
 - Phenomenal effort of 70+ particle physicists and accelerator physicists!
 - <u>2023 P5 very well-received</u>: widespread enthusiasm for HEP across the political spectrum
 - Given current political climate, HEP budget and core research continues to get squeezed
- DC Trip 2025 plans already underway!
 - Close collaboration between USLUA, UAEC, SLUO
 - Stay tuned for the date announcement in early January please fill out this form if interested
- What to expect in FY26?
 - Many uncertainties given administration change

Thank You!