

US HFCC Detector Organizational Area

Web site: <https://us-fcc.web.cern.ch/detector/>

Indico: <https://indico.global/category/1546/>

Organizers: Christoph Paus (MIT), Charlie Young (SLAC)

Agenda for today

Budget reports and exercise

- Today review the budget situation for 2026 how it is being spent
- *Announcing for next meeting: Budget exercise for 2027*
 - Including ideas for R&D projects that are unique to US and thus have impact substantial

Planning for events relevant to the detectors

- 4th US FCC Workshop, September 8-11, 2026 at SLAC
- BNL/CERN school for future colliders
- Other more local workshop/hackathons?

Roundtable discussion

Timeline for FY2027

Funding request

- 2026: \$2.7M requested (mostly tracker) awarded \$0.5M
- 2027: target ~\$1.5M – concrete unique US projects work best
- Mission Genesis for AI/ML? Travel?



We are here

Planning the next meeting

Main topic

- Budget planning for FY 2027

More discussions

- Planning how to foster collaboration
 - Smaller scale workshops/hackathons, more geared toward US projects, connect with the hardware specific R&D
 - New ideas ...
- Other topics?

4th US FCC Workshop

Come to SLAC September 8-11, 2026

- US FCC Workshop is now 4 days long
- There are substantial detector contributions, the agenda is evolving please share your thoughts, help with speakers etc.

	Tuesday	Wed	Thursday	Friday		
8:30-10:00		1. FCC project overview MB 2. FCC PED overview 3. FCC accelerator progress	Overview of L2 PED aspirations - open to contributions	a. Detector design and systematic uncertainties c. plenary talk from physics b. MDI/detector interface		PED
10:00-10:30	tutorials?		Coffee break			Acc
10:30-12		4. US engagement in FCC 5. US FCC Acc efforts overview 6. US FCC PED efforts overview 7. AI & Genesis : impact on future colliders	report from DRDs: a couple of representatives that can cover various topics	d Execution of big projects e f		
Lunch			Lunch			
13:30-15:30	Review of L2 PED progress	Instrumentation/Reco/Tagging/Simulation AI Valentina+Loukas+Patrick	11. CEPC det lessons calo/tracking 10. MAPS effort in the US			
15:30-16:00	Review of L2 Acc progress		13. PID @ EIC 14. Higgs exp uncertainties & det constraints	tutorials?		
16:00-18:00	Report from RD/CPAD Charlie	Physics new ideas/wish list (90 min) Valentina+Loukas+Patrick				
		Panel Discussion 1	Panel Discussion 2			
	reception	conference dinner				