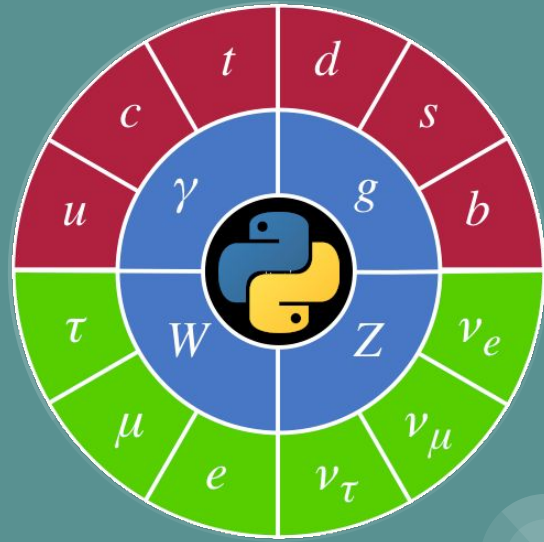


**Welcome to
PyHEP.dev!**





Welcome!

We're glad you're here!!!

Where are things?

Palmer House
Reception today
Dinner Thursday

Simpson Building
Reception Tuesday

Jadwin Hall
School venue
Breakfast
& Lunch





Food, rooms, etc.

- Breakfasts will be provided every day at 8:30am.
- Lunches every day at 12:30pm.

- Restrooms by the elevators.

- Available spaces for talking in the hall behind this auditorium.
- Conference room 403A is open & available (hallway between here and the elevator).
 - If it's locked, see Maureen, Floe, or Andrea at the registration desk for a key.

- Joint reception at the Louis A. Simpson International Building at 6:00pm today.
- Dinner at the Palmer House at 6:30pm on Thursday.
- Dinner on your own Wednesday and Friday.



Organization of the workshop

Mornings:

- Brief talks to introduce yourselves so that people find out what you're working on.
- We'll be strict with time, to be efficient. Upload your talks (PDF)!

Afternoons:

- Informal discussions. The big ones will be in this room; small ones in the area outside and the side conference rooms.
- The big ones are scheduled on Indico, but should be regarded as a *parallel session*: please do break out into smaller (not scheduled) discussions, as needed.
- If it seems like the big discussion is really several topics, we'll break it up!



Technical bits

- <https://github.com/HSF/PyHEP.dev-workshops/issues> were a *preparation* for this workshop, to know what to talk about and who you want to meet up with.
- IRIS-HEP Slack **#pyhep-dev** channel is for real-time coordination (e.g. “What room are you in?”) and sharing code or files.
- “Book of the Notes” HackMD: taking notes for posterity.
- “Parallel discussions” HackMD: what discussion groups exist?
- <https://cern.zoom.us/j/66879407955?pwd=Z1dMRGtxcDM1NG1ZSlVuOVRIUTk1Zz09> Zoom connection to the big room that you can share with people who aren’t here.



Book of the Notes



Parallel discussions

Videoconference



PyHEP.dev 2023

Join





Proposed discussion slots for most active GH issues (check agenda)

- [Fitting tools, combined fits, partial wave analysis, and machine learning](#) -> “Generic fitting packages” & “Services for fitting” sessions during Wednesday afternoon
- [Full automatic differentiation applications and gradient sharing](#) -> “Automatic differentiation (AD)” sessions during Wednesday afternoon
- [python bindings for rntuple, implementation of "uproot-cpp" + Data access and formats](#)-> “ROOT I/O: compiled uproot, rntuple, data access & data formats” (Thursday)
- [User experience for physics data analysis tools](#) -> “Harmonizing UX and performance” (Tuesday afternoon)
- [Teaching, training, documentation, and coordinating documentation](#) -> “Documentation and training” (Thursday afternoon)



Proposed discussion slots for most active GH issues (check agenda)

- [Multiple datasets, metadata, workflows, and reproducibility](#) -> Tuesday afternoon in “Vertical scaling: small-scale computations” and “Horizontal scaling: large-scale workflows”
- [Analysis code readability and performance](#) -> Tuesday afternoon during “Harmonizing UX and performance”
- [Dedicated discussion about IRIS-HEP Analysis Grand Challenge](#) -> Thursday afternoon during AGC session
- [analysis organizational principles in practice: dask / luigi and the line in the sand between the two](#) -> Tuesday afternoon over “Horizontal scaling: large-scale workflows”
- [Better packaging/devops](#) -> Thursday afternoon during “Packaging practices”



Smaller group discussions

- We propose to advertise your schedule for your favorite mini discussion in the dedicated HackMD: <https://hackmd.io/@ML7aiQu3Ry2xndZKwuDesQ/SJbenG4q3>
- Or over the Slack in **#pyhep-dev** channel!