

PyHEP 2022 workskop

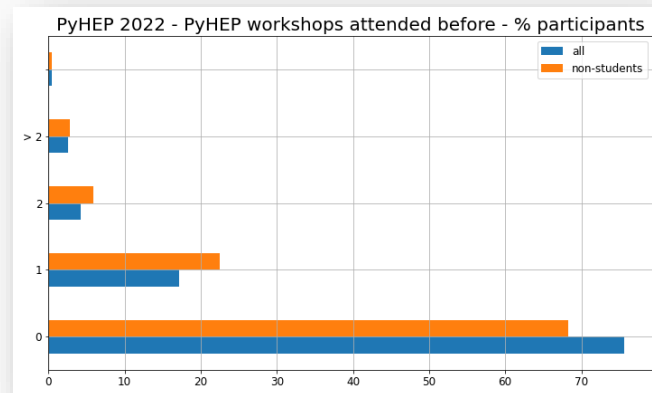
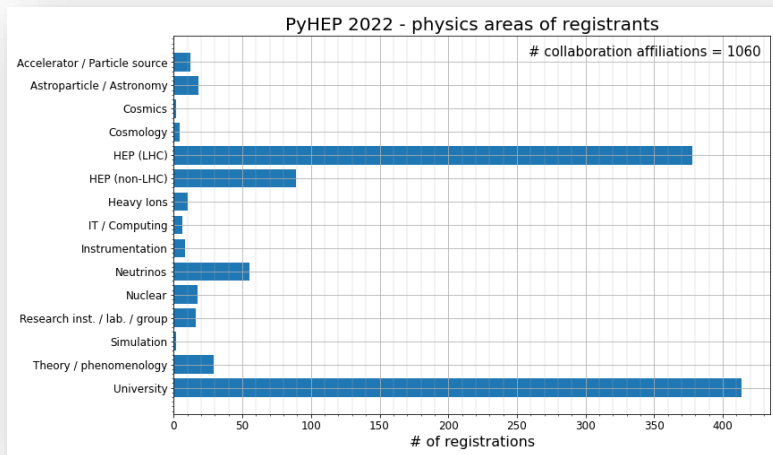
Welcome !

Organising Committee

Eduardo Rodrigues - University of Liverpool (Chair)
Graeme A. Stewart - CERN
Jim Pivarski - Princeton University
Matthew Feickert - University of Wisconsin-Madison
Nikolai Hartmann - Ludwig-Maximilians-Universität Munich
Oksana Shadura - University of Nebraska-Lincoln

Welcome to the PyHEP 2022 workshop

- 5th edition, already !
- Truly global event since 2020 with participants from all over the world
 - Many physics areas represented
 - LHC experiments represent significant fraction of non-students
- Impressive level of interest with ~1000 registrations



Workshop raison d'être and goals, in brief

Points taken from PyHEP 2018 – largely still valid:

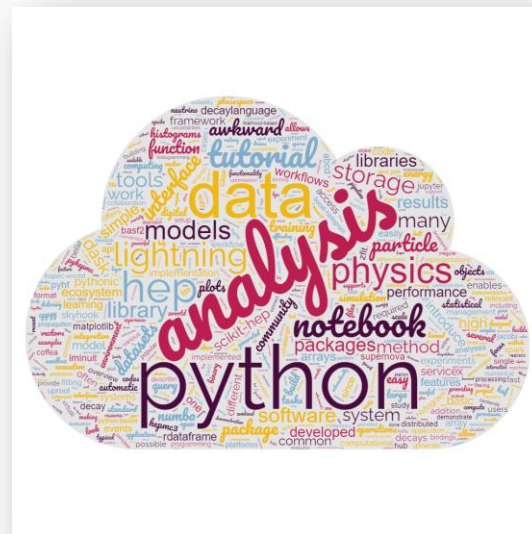
- ❑ Step back and **review evolution of Python in the HEP community at large**
 - There are certainly HEP conferences & workshops discussing computing & software but none really devoted to this critical language in analysis
- ❑ **Python clearly identified as first-class language**
- ❑ Need to consolidate this consensus and **plan the future** directions
 - Where we are going, want to go, need to improve
 - Tools usage, needs and developments, training and education, which Python, etc.
- ❑ **Bring together users and developers** from a wide audience
- ❑ **Educative, not just informative, workshop,** with **lively discussions** in the many free and dedicated time slots we foresaw

We have a great programme

- Plenary sessions every day, ~4h
- Socialise on Tuesday and Thursday
 - 2 different time zones to try and accommodate everyone at least once
- Hackshop Thursday and Friday
 - 2 different slots, again to try and accommodate everyone at least once
 - A first this year. Let's experiment and see how it goes 😊

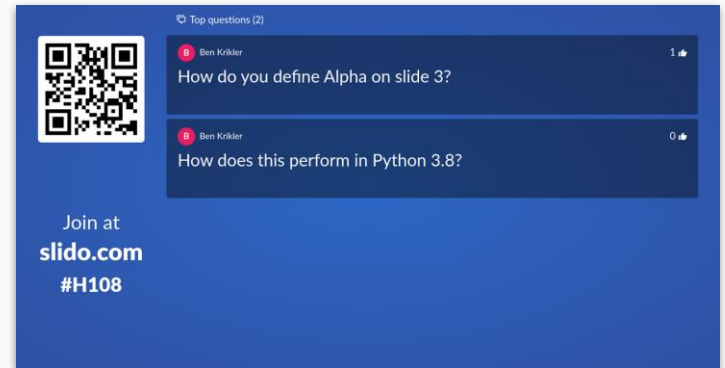
Wordcloud made from the abstracts received!

- Record number of abstracts this year

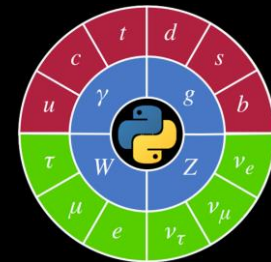


Questions during the talk: Slido

- Slido helps us crowd-source questions, so we can prioritise the most popular
 - [Link to post questions](#)
 - Or use event code: #PyHEP2022
-
- Using Slido if giving a talk:
 - The chair will share relevant links to participants
 - Unanswered questions will be moved to Slack at the end of talks
 - As the speaker, use this link at the end of the talk: <https://wall.sli.do/event/2UQhqH8gDeypDaHM2MaEMV>



Presenter view of Q&A



Asking questions

Test / demo event **B**

Q&A Polls

Ask the speaker

Type your question

Popular Recent 2 questions

B Ben Krikler 2:08 PM
How do you define Alpha on slide 3? ...

B Ben Krikler 2:09 PM
How does this perform in Python 3.8? ...

slido **Ask**



Click here to enter a new question



Up and downvote existing questions



Feel free to put your name but anonymous Qs are fine too

Ask the speaker

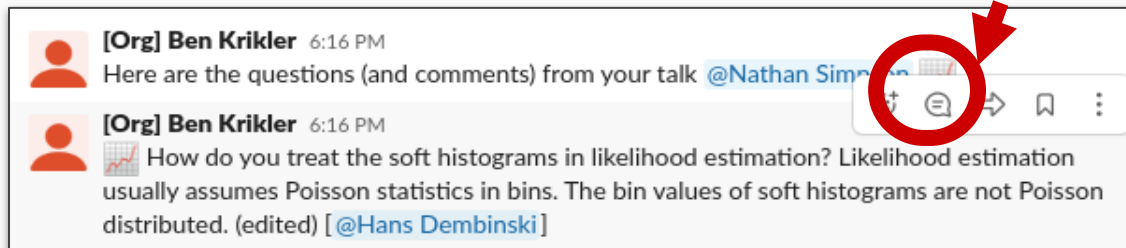
Here is another question

216

B Ben Krikler • **SEND**

After your talk: Slack

- An organiser will copy all received questions into Slack in the appropriate channel (#topic-.....). Make sure to join the PyHEP2022 slack workspace
- If you want to follow up with a question (which we encourage!) you can reply on Slack using a thread:



[Example from last year.]

Presentations with notebooks: Binder

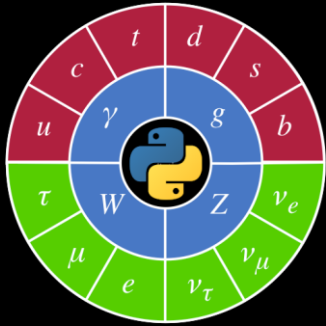
- In this workshop some of the tutorials and the talks will be made interactive through use of Binder.



- The public [mybinder](#) resource is run and maintained by volunteer effort through the Binder Federation of BinderHubs running on Google Cloud, OVH, GESIS Notebooks and the Turing Institute.
- The Binder team is allocating extra resources for us to use during the workshop!
THANK YOU!
- Want to know more about Binder? Check out the discussions on the Binder section of the Jupyter Discourse Forums <https://discourse.jupyter.org/c/binder/12>

A big thank you to our sponsors !





Enjoy PyHEP 2022 !

Plenary sessions every day, ~4h

Socialise on Tuesday and Thursday

- 2 different time zones to try and accommodate everyone at least once

Hackashop Thursday and Friday

- 2 different slots, again to try and accommodate everyone at least once

- A first this year. Let's experiment and see how it goes ☺