

PyHEP 2021 workskop

Welcome !

Organising Committee

Eduardo Rodrigues - University of Liverpool (Chair)

Ben Krikler - University of Bristol (Co-chair)

Jim Pivarski - Princeton University (Co-chair)

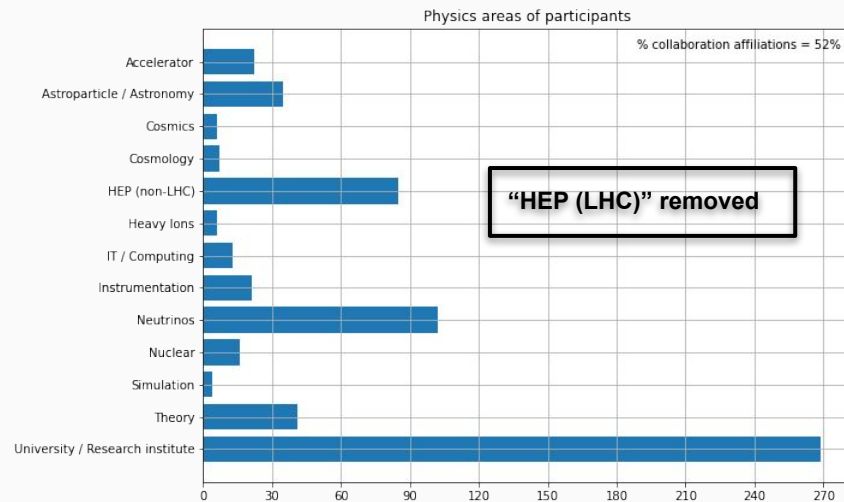
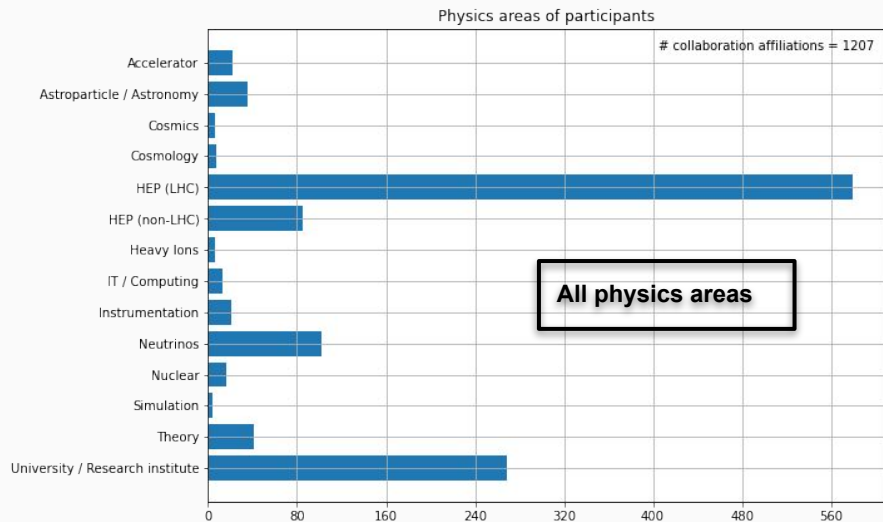
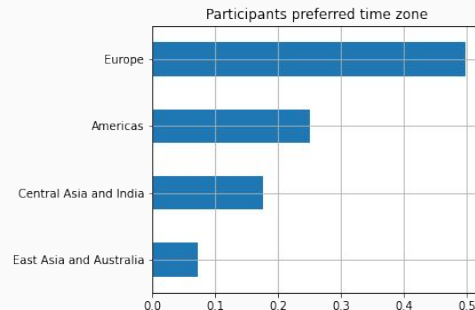
Matthew Feickert - University of Illinois at Urbana-Champaign

Oksana Shadura - University of Nebraska-Lincoln

Philip Grace - The University of Adelaide

Welcome to the PyHEP 2021 workshop

- 4th edition, again a virtual event as in 2020
- Truly global event with participants from all over the world
 - Many physics areas represented
- Impressive level of interest with ~1200 registrations
 - LHC experiments represent close to 50% of participants



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
- ❑ Educational, not just informative, workshop, with **lively discussions** in the many free and dedicated time slots we foresaw

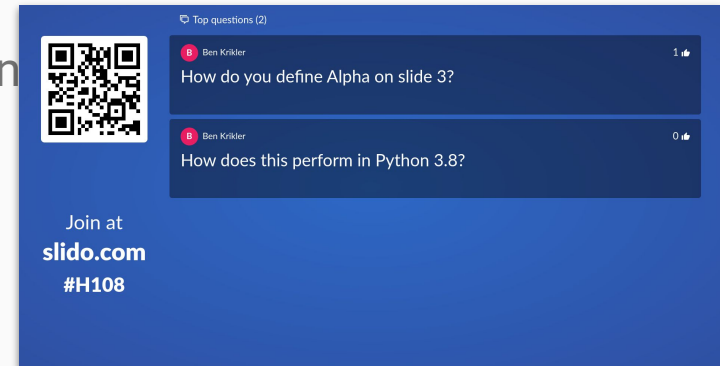
Questions during the talk: Slido

Slido helps us crowd-source questions, so we can prioritise the most popular

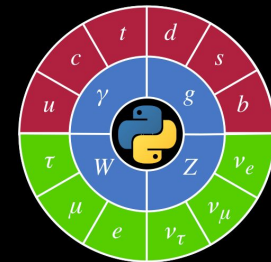
- [Link to post questions](#)
- Or use event code: #PyHEP2021

Using Slido if giving a talk:

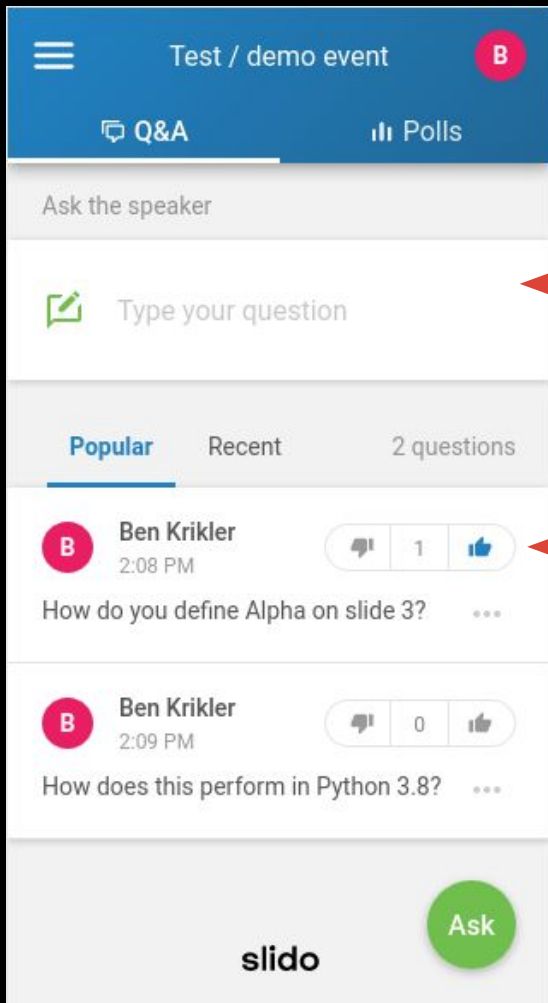
1. The chair will share relevant links to participants
2. The chair will field the questions at the end of talks
3. *As the speaker, use this link at the end of the talk: <https://wall.sli.do/event/qs1ut9ni>*



Presenter view of Q&A



Asking questions



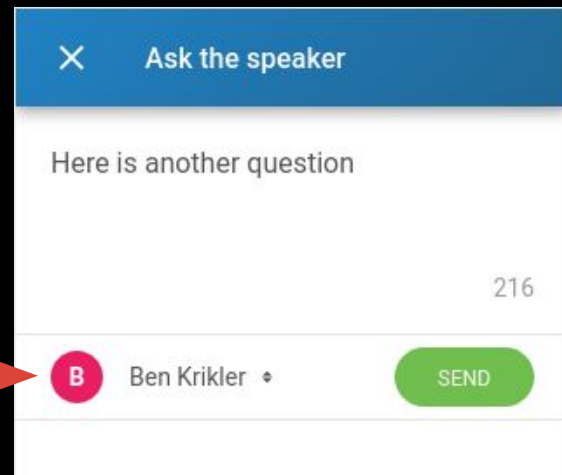
Click here to enter a new question



Up and downvote existing questions



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



After your talk: Slack

An organiser will copy all received questions into Slack in the appropriate channel (#topic-....). Make sure to [join the PyHEP2021 slack workspace](#)

If you want to follow up with a question (which we encourage!) you can reply on Slack using a thread:



[Org] Ben Krikler 6:16 PM
Here are the questions (and comments) from your talk @Nathan Simpson

[Org] Ben Krikler 6:16 PM
How do you treat the soft histograms in likelihood estimation? Likelihood estimation usually assumes Poisson statistics in bins. The bin values of soft histograms are not Poisson distributed. (edited) [@Hans Dembinski]

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.

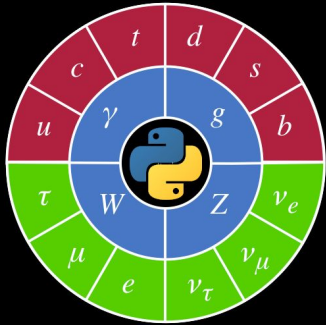


The Binder team is allocating extra resources for us to use during the workshop!

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 2021 !

Announcement - engaging with the big SciPy community:

"This year at [SciPy 2021](#), we are organising a [Birds-of-a-Feather Session](#) on the topic Python in Aerospace and Astronomy.

We are looking for panellists who could bring their vision and experience to the session. We strongly encourage people from underrepresented groups to participate. If you think you might be interested in being a panellist or have a recommendation for someone who could be one, kindly get in touch with me [here](#) or at aman.goel185@gmail.com.

Please circulate this in your circles too, we'd be really grateful!