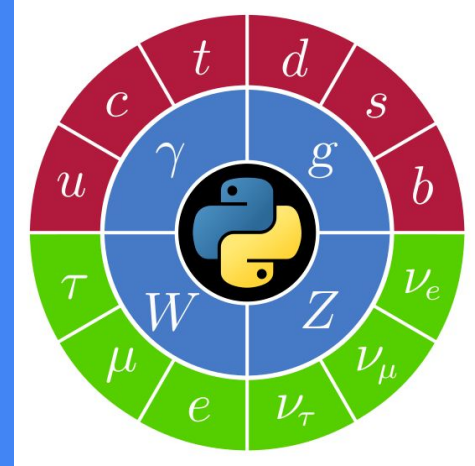


HSF PyHEP WG



Eduardo Rodrigues - University of Liverpool

Jim Pivarski - Princeton University

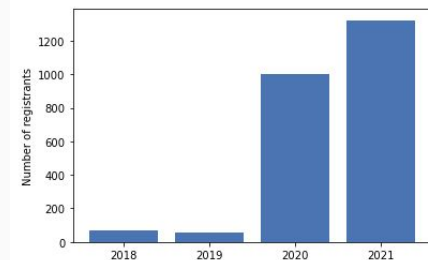
Oksana Shadura - University of Nebraska-Lincoln

[Ben Krikler left us at the end of 2021 - thank you for your work!]

HSF Coordination Meeting, 20th January 2022

PyHEP Workshops (Annual)

- Switching in 2020 to an online format has greatly increased participation, which we'll continue regardless of Covid.
- In 2021: **54%** of participants are students, **15%** postdocs. **3%** said they'd only attend again if the workshop is in person. **37%** said they'd only attend again if it's online.



PyHEP 2018

Sofia, Bulgaria



PyHEP 2019

Abingdon, U.K.



PyHEP 2020

Virtual, online



PyHEP 2021

Virtual, online



PyHEP Workshop 2021

- More details see in the slides from Eduardo <https://indico.cern.ch/event/1043627/>

Physics areas represented



PyHEP 2021 organisational aspects – largely unchanged wrt PyHEP 2020

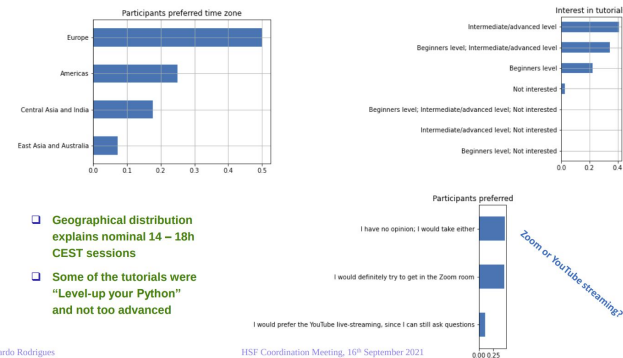
- Sessions & presentations**
 - 4-5 hour sessions each day (no “Atlantic”- and “Pacific”-friendly time zones as in 2020)
 - We strongly encouraged notebook presentations, available in public Github repositories with a **Binder** launch button
 - All presentational material posted on workshop agenda and later given a DOI with **Zenodo**, in a dedicated “**pyhep2021 community**” – formal citation, replaces proceedings
 - All talks got recorded, captioned and later uploaded to the **HSF YouTube channel** – dedicated playlist “**PyHEP 2021 Workshop**”
- Zoom and YouTube streaming**
 - Zoom for up to 1000 participants
 - YouTube streaming new this year
- Questions & answers with slido**
 - Used **slido** to crowd-source questions, to prioritise the most popular ones upvoted by participants
 - Session chair shares link to questions at end of presentation
 - Most popular ones get answered/discussed
 - At end of Q&A all questions are copied to Slack in the appropriate topical channel
 - ⇒ participants can continue to discuss and exchange
 - A few polls also run via slido
- Slack channels**
 - Various channels:
 - By topic, mapping to sessions, discussions encouraged here
 - Announcements, for actual announcements
 - Random, used to encourage community spirit and add social context
- Communication also on**

Eduardo Rodrigues

HSF Coordination Meeting, 16th September 2021

4/17

Registrants preferences



Eduardo Rodrigues

HSF Coordination Meeting, 16th September 2021

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- Since we're no longer planning to co-locate with SciPy in Austin, TX, choosing a date within a week of SciPy is no longer a benefit
- We're considering end of August/beginning of September instead of July.
- We're thinking of adding new features (still brainstorming)
 - Maybe adding hackathon / community building specific contributions
 - Would mean a call for "short tasks" across ecosystem package aside the usual call for presentations
 - Possibly, hackathon in person at CERN's *Ideasquare*

PyHEP Topical meetings in 2021

- “Python Module of the Month” topical meetings follow the idea of the [Python 3 Module of the Week](#), but with a spirit adapted to our needs: focus on libraries relevant to data analysis in HEP
- Meetings held in 2021:
 - <https://indico.cern.ch/category/11412/>

December 2021

 08 Dec [PyHEP topical meeting - PyTorch](#)

October 2021

 06 Oct [PyHEP topical meeting - Qibo](#)

September 2021

 27 Sep [Julia for HEP Mini-workshop](#)

June 2021

 02 Jun [PyHEP topical meeting - Giving a good Jupyter talk](#)

May 2021

 05 May [PyHEP topical meeting - Dask](#)

April 2021

 07 Apr [PyHEP topical meeting - pyhf](#)

March 2021

 03 Mar [PyHEP topical meeting - JAX](#)

February 2021

 03 Feb [PyHEP topical meeting - Numba](#)

- “Python module of the month” → more general “topical meetings”?
 - We are looking to more structured topical meetings covering a wider set of Python modules (starting from fundamentals and including more HEP specific)
 - Topical meetings are expected to have clearer division between **tutorials, short talks** and **discussions**
 - Some of topical meetings could include larger time slot for following discussions and questions in a form of “*office hours*”
- We welcome joint endeavours with other WGs where relevant
 - Data Analysis & Training WGs have obvious overlaps