

PyHEP 2019

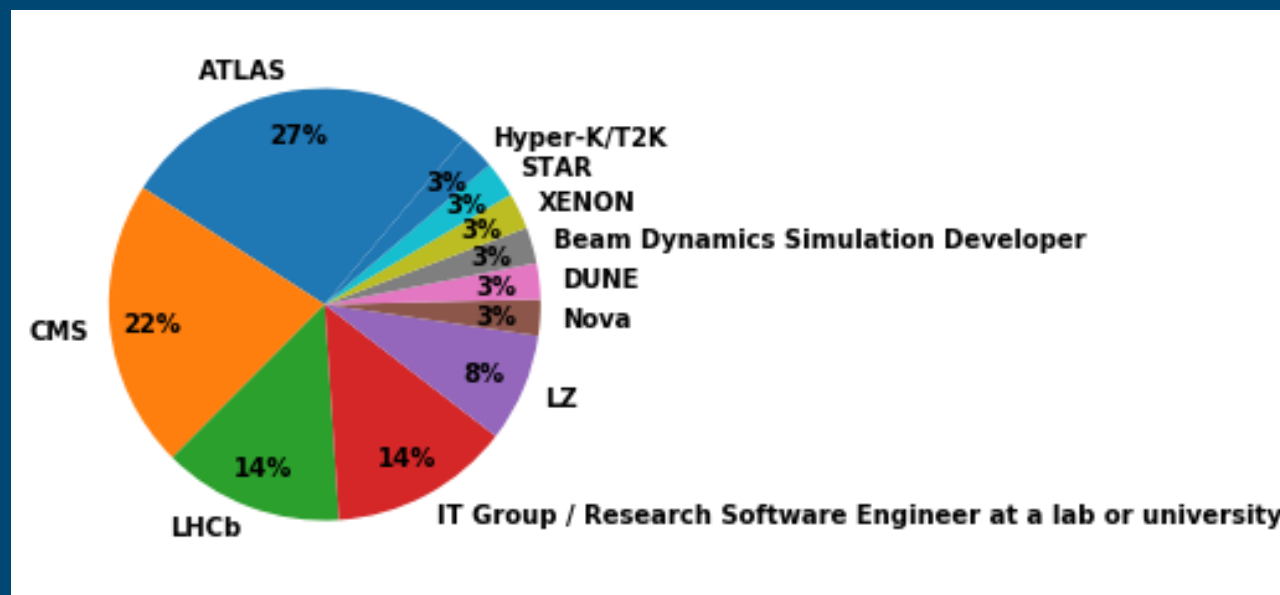
Welcome and workshop overview

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Welcome to the PyHEP 2019 workshop !

- ❑ Great to see such a **diverse set of participants** !
- ❑ (Plot reflecting the 37/54 responses received.)



(Taken from the pre-workshop questionnaire)

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**

Pre-workshop questionnaire

- ❑ **Thank you very much for your feedback !**

- ❑ **This is the 2nd PyHEP workshop, each time with a pre-workshop questionnaire**

- ❑ **These questionnaires will provide insight on**
 - Participation
 - Community directions and interests
 - Evolution of the above

- ❑ **The summary will be put online on Indico asap, and you will get informed**

Workshop topics / sessions

- Accelerators-enabled code
- Analysis platforms
- Analysis fundamentals
- HEP Python software ecosystem
- High-level analysis tools
- Histogramming
- Packaging, distribution, CI
- PyROOT
- Research software
- Statistics
- Visualisation

- **Lightning talks**

**In short:
there's material for everyone !**

Live notes on a Google Doc – use it !

- ❑ **We have set-up a Google Doc for everyone to contribute !**
- ❑ **Use it for comments you would like to be kept**
- ❑ **And for any questions you would like the speaker to address offline (time is limited)**
- ❑ **Link:**
<https://docs.google.com/document/d/1xSecgFdnVUaHoDz7XtczE38VFS7TEK9nDeF7WAaYq60/edit?usp=sharing>

Workshop photos

- ❑ We will be taking pictures of the events
- ❑ Sponsors often ask for this, and it's a nice thing to have
- ❑ Let us know if you do not want to be photographed
 - Even when put online we will trivially remove any picture upon request

A trend ?

Last year we had a session on Python 2 and 3,
and I splashed this:

This year we get – see next slide ...

What's the trend going to gives us in 2020 !?



Figure 1-1. Guido van Rossum's PyCon 2014 keynote address (photo credit: David Lesieur 2014, CC-BY-SA)

Python 3.8 is timely out !

Python 3.8.0

Release Date: Oct. 14, 2019

This is the stable release of Python 3.8.0

Python 3.8.0 is the newest major release of the Python programming language, and it contains many new features and optimizations.

- ❑ **Cool new features, see for example RealPython:**
(but not during the talks ... ;-))



We wish you a great workshop !

Με μεγάλη λση α άρεα μοικροβ ι

A big thank you to our sponsors !



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