

PyHEP 2018 Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

test

Contribution ID: 2

Type: **not specified**

A short look at Python's Emergence in HEP Computing

15+5 minutes

Presenter: TEMPLON, Jeff (Nikhef National institute for subatomic physics (NL))

Session Classification: Historical perspective / overview

Contribution ID: 3

Type: **not specified**

The Python scientific software ecosystem - past, present and future

Saturday, July 7, 2018 9:15 AM (45 minutes)

30 + 15 minutes

Presenter: PIVARSKI, Jim (Princeton University)

Session Classification: Historical perspective / overview

Contribution ID: 4

Type: **not specified**

Open discussion, guided by the pre-workshop questionnaire input

Saturday, July 7, 2018 10:00 AM (30 minutes)

Session Classification: Historical perspective / overview

Contribution ID: 5

Type: **not specified**

The Python ecosystem in HEP data analysis

Saturday, July 7, 2018 11:00 AM (40 minutes)

30 + 10 minutes

Presenter: BURR, Chris (University of Manchester (GB))

Session Classification: HEP python software ecosystem

Contribution ID: 6

Type: **not specified**

Python for "core software" in ATLAS

Sunday, July 8, 2018 10:00 AM (20 minutes)

15 + 5 minutes

Presenter: SNYDER, Scott (Brookhaven National Laboratory (US))

Session Classification: Analysis & HEP frameworks

Contribution ID: 7

Type: **not specified**

JupyterLab

Sunday, July 8, 2018 9:00 AM (40 minutes)

KEYNOTE PRESENTATION

Presenter: FAUSKE, Vidar Tonaas (Simula Research Laboratory)

Session Classification: Analysis & HEP frameworks

Contribution ID: 8

Type: **not specified**

Python for “core software” in CMS

Sunday, July 8, 2018 10:20 AM (20 minutes)

15 + 5 minutes

Presenter: LANGE, David (Princeton University (US))

Session Classification: Analysis & HEP frameworks

Contribution ID: 9

Type: **not specified**

Python tools for simulating beam dynamics

Sunday, July 8, 2018 9:40 AM (20 minutes)

15 + 5 minutes

Presenter: METHER, Lotta (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Analysis & HEP frameworks

Contribution ID: **10**

Type: **not specified**

Python 2 to 3

Sunday, July 8, 2018 11:00 AM (30 minutes)

20 + 10 minutes

Presenter: CHITIC, Stefan-Gabriel (CERN)

Session Classification: Python 2 versus 3

Contribution ID: 11

Type: **not specified**

ROOT's C++ Python bindings

Saturday, July 7, 2018 4:30 PM (30 minutes)

20 + 10 minutes

Presenter: TEJEDOR SAAVEDRA, Enric (CERN)

Session Classification: PyROOT and Python bindings

Contribution ID: 12

Type: **not specified**

Tools to bind to Python

Saturday, July 7, 2018 4:00 PM (30 minutes)

20 + 10 minutes

Presenter: SCHREINER, Henry Fredrick (University of Cincinnati (US))

Session Classification: PyROOT and Python bindings

Contribution ID: 13

Type: **not specified**

A complete, multilanguage analysis ecosystem

Saturday, July 7, 2018 5:30 PM (30 minutes)

20 + 10 minutes

Presenter: GUIRAUD, Enrico (CERN, University of Oldenburg (DE))

Session Classification: Distribution and installation

Contribution ID: 14

Type: **not specified**

The NEXT experiment analysis and data flow

Saturday, July 7, 2018 2:30 PM (30 minutes)

20 + 10 minutes

Presenter: MARTINEZ LEMA, Gonzalo (Instituto de Fisica Corpuscular (ES))

Session Classification: Analysis & HEP frameworks

Contribution ID: 15

Type: **not specified**

The Belle-II analysis framework

Saturday, July 7, 2018 3:00 PM (30 minutes)

20 + 10 minutes

Presenter: HAUTH, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Analysis & HEP frameworks

Contribution ID: **16**

Type: **not specified**

Distributing Python for the HEP environment

Saturday, July 7, 2018 5:00 PM (30 minutes)

20 + 10 minutes

Presenter: COUTURIER, Ben (CERN)

Session Classification: Distribution and installation

Contribution ID: 17

Type: **not specified**

Python packages for Machine Learning (TBC)

20 + 5 minutes

Session Classification: HEP python software ecosystem

Contribution ID: **18**

Type: **not specified**

The Scikit-HEP project

Saturday, July 7, 2018 11:40 AM (30 minutes)

20 + 10 minutes

Presenter: MARINANGELI, Matthieu (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: HEP python software ecosystem

Contribution ID: 19

Type: **not specified**

XENON1T experience doing a purely Python experimental software stack

Saturday, July 7, 2018 1:30 PM (30 minutes)

20 + 10 minutes

Presenter: Dr TUNNELL, Christopher (University of Chicago)

Session Classification: HEP python software ecosystem

Contribution ID: **20**

Type: **not specified**

The TensorFlowAnalysis package for fitting

Saturday, July 7, 2018 2:00 PM (30 minutes)

20 + 10 minutes

Presenter: MORRIS, Adam (Centre de Physique de Particules de Marseille CPPM (FR))

Session Classification: HEP python software ecosystem

Contribution ID: **21**

Type: **not specified**

Discussion on community plans for the future

Sunday, July 8, 2018 11:30 AM (10 minutes)

Session Classification: Python 2 versus 3

Contribution ID: 22

Type: **not specified**

Closeout

Sunday, July 8, 2018 12:25 PM (5 minutes)

Presenters: RODRIGUES, Eduardo (University of Cincinnati (US)); STEWART, Graeme (CERN)