PyHEP.dev 2023 - "Python in HEP" Developer's Workshop

Tuesday, 25 July 2023

Kick-off talks - PCTS, Princeton Center for Theoretical Science, fourth floor of Jadwin Hall (09:15 - 10:30)

time	[id] title	presenter
09:15	[23] Potential directions for coffea & scikit-hep	SMITH, Nick
09:30	[8] Dask custom schedulers	TOVAR LOPEZ, Benjamin
09:40	[21] Introduction / Working towards fully differentiable analysis (Matthew Feickert)	FEICKERT, Matthew
09:55	[14] Introduction (Angus Hollands)	HOLLANDS, Angus
10:05	[12] Intro Talk (Gordon W.)	WATTS, Gordon
10:10	[18] Introduction (Lindsey) / "Lindsey-stuff"	GRAY, Lindsey
10:25	[28] Introduction (Mason Proffitt)	PROFFITT, Mason

Kick-off talks - PCTS, Princeton Center for Theoretical Science, fourth floor of Jadwin Hall (11:00 - 11:30)

time	[id] title	presenter
11:00	[15] Python-C++ JIT for better or worse?	OSBORNE, Ianna
11:05	[6] Automatic Interoperability Between C++ and Python	KUNDU, Baidyanath
11:20	[26] Training machines, training people	LIERET, Kilian Adriano

Wednesday, 26 July 2023

Kick-off talks - PCTS, Princeton Center for Theoretical Science, fourth floor of Jadwin Hall (09:00 - 10:30)

time	[id] title	presenter
09:00	[9] Statistical models, analysis workflows & automatic differentiation	HELD, Alexander
09:15	[13] Advancements and Challenges in Amplitude Analysis: A Rio Developer's Perspective	MOLINA, Josue
09:25	[4] Self-documenting model building and improved fitting performance with a Computer Algebra System	Mr DE BOER, Remco
09:35	[3] Self Presentation and Interests (Massimiliano Galli)	GALLI, Massimiliano
09:40	[16] Self Introduction and Interests (Manfred Peter Fackeldey)	FACKELDEY, Manfred Peter
09:45	[29] GooFit -- an overview of the existing C++/CUDA functionality and its Python bindings	SOKOLOFF, Michael David
09:55	[22] Statistical inference landscape: variety, performance and interoperability	ESCHLE, Jonas
10:10	[20] Quantum Machine Learning Approach	COCHA TOAPAXI, Carlos Eduardo

Thursday, 27 July 2023

Kick-off talks - PCTS, Princeton Center for Theoretical Science, fourth floor of Jadwin Hall (09:00 - 11:00)

time	[id] title	presenter
09:00	[11] Introduction (Ioana Ifrim)	IFRIM, Ioana
09:05	[5] Using HDF5 as an alternative to ROOT files	BELLIS, Matthew
09:15	[25] Introduction (Nikolai Hartmann)	HARTMANN, Nikolai
09:20	[27] Optimizing data access with compute offloading, fast hardware-accelerated data transport, and modern query languages	CHAKRABORTY, Jayjeet
09:35	[2] Instrument control library and server for detector construction and testing	LANGE, Clemens
09:45	[24] Analysis@FCC	SMIESKO, Juraj
09:55	[19] Python, Pythia8, and Pythia8-Contrib	ILTEN, Philip
10:10	[7] Analysis Grand Challenge & Coffea-Casa analysis facility as a test environment for packages and services	SHADURA, Oksana
10:20	[31] Marcel Rieger - Introduction	RIEGER, Marcel
10:25	[1] Introduction (Raghav Kansal)	KANSAL, Raghav
10:30	[30] Introduction (Aman Goel)	GOEL, Aman

Friday, 28 July 2023

Kick-off talks: Closing talk - PCTS, Princeton Center for Theoretical Science, fourth floor of Jadwin Hall (09:00 - 10:30)