

Monday 30 September

09:00 **Talks: Monday Morning** Session | Location: CERN, 4/3-006 - TH Conference Room 09:00-09:10 Welcome **Speakers** Graeme A Stewart, Pere Mato Vila 09:10-09:40 A Julia interface to the ROOT framework Speaker Philippe Gras RootIO.jl: a Julia I/O library for the ROOT framework 09:40-09:55 Speaker Mr Yash Solanki 09:55-10:25 RNTuple writing in Julia Speaker Jerry Ling 10:25-10:40 EDM4hep.jl: Analysing EDM4hep files with Julia Speaker Pere Mato Vila 10:40-11:00 Coffee and Tea 11:00-11:30 Power of Python and Julia for Advanced Data Analysis Speaker Ianna Osborne 11:30-12:00 Demonstrator for HEP event-processing framework in Julia Speaker Mateusz Jakub Fila 12:00-12:15 FHist.jl -- status of v0.11 Speaker Jerry Ling 12:30 14:00 **Talks: Monday Afternoon** Session | Location: CERN, 4/3-006 - TH Conference Room 14:00-14:30 Using Julia to perform Physics on time critical systems Speaker Dr Evangelos Paradas

IntegrationTests.jl: a framework for the automatic generation of integration tests

14:30-15:00

for Julia projects and eco systems

Speaker Simeon Ehrig	
15:00-15:30	Enabling Julia code to run at scale with artefact caching
Speaker Mr Elvis Alexand	der Aguero Vera
15:30-16:00	Coffee and Tea
16:00-16:30	Training Implicit Generative Models via an Invariant Statistical Loss
Speaker Jose de Frutos	
16:30-17:00	Machine Learning in Julia for Calorimeter Showers
Speaker Daniel Assunca	o Regado
17:00-17:30	Generating Feynman Diagrams for QED in Julia
Speaker Anton Reinhard	

18:30

Tuesday 1 October

09:00

Talks: Tuesday Morning Session | Location: CERN, 4/3-006 - TH Conference Room 09:00-09:30 The JuleAna Software: How to run an entire experiment in Julia Speaker Florian Henkes Simulation for the Tau Air-Shower Mountain-Based Observatory 09:30-10:00 Speaker Jeffrey Lazar 10:00-10:30 Open-Source Simulation of Semiconductor Detectors **Speaker** Felix Hagemann 10:30-11:00 Coffee and Tea 11:00-11:15 Julia in the lab Speaker Oliver Schulz 11:15-11:30 Fast Jet Reconstruction in Julia Speaker Graeme A Stewart 11:30-11:45 Unveiling the Jet Substructure using Julia Speaker Mr Sattwamo Ghosh 11:45-12:15 Bayesian and general statistics in Julia Speaker Oliver Schulz 12:30 14:00 **Talks: Tuesday Afternoon** Session | Location: CERN, 4/3-006 - TH Conference Room 14:00-14:30 Julia in Trigger Level Analysis of Z' to bb Speaker Michael Steven Farrington 14:30-15:00 Hadron Physics with Julia Speaker Prof. Mikhail Mikhasenko 15:00-15:30 Porting the CMS pixel reconstruction to Julia: preliminary results

Speakers Maya Ali, Moha	mad Ayman Charaf, Mohamad Khaled Charaf
15:30-15:45	3D Neutrino Event Display RainbowAlga.jl
Speaker Tamas Gal	
15:45-16:00	Empowering Underrepresented Communities Through Julia
Speakers Mr Shahzaib Ab	bas, Mr Syed Ali Asghar