

Session Program

19-20 Sept 2022

HEPscore Workshop

Developments beyond x86 CPUs

CERN, 513/1-024

Tuesday 20 September

11:00

Developments beyond x86 CPUs

Session | **Location:** CERN, 513/1-024

11:00-11:05 **Intro to the session**

Speaker

Domenico Giordano

11:05-11:30 **Experience running HEP workloads at HPC**

Speaker

David Southwick

11:30-11:50 **Madgraph on GPU**

Speakers

Andrea Valassi, Stefan Roiser

11:50-12:10 **Study of ML Particle Flow based GPU benchmarking**

Speakers

David Southwick, Mr Eduard Cuba, Eric Wulff

12:10-12:30 **CMS HLT-like**

Speakers

Dr Andrea Sciabà, Dr Tommaso Boccali, Tommaso Boccali

12:30-14:00 **Lunch Break**

14:00-14:20 **Study of power efficiency ARM vs x86**

Speaker

Emanuele Simili

14:20-14:40

Measurements of electrical power consumption for HEP workflows @ CERN

Speakers

Luca Atzori, Nikos Papakyrianiou, Stefan Roiser

14:40-15:20 **Measurements of Power Consumption (room for other contributions)**

Speaker

round table

15:20