

**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