

## **Session Program**

**2-6 Jun 2014**



# **Tipp 2014 - Third International Conference on Technology and Instrumentation in Particle Physics**

## ***III.c Embedded Software***

Beurs van Berlage

## Tuesday 3 June

11:00

### III.c Embedded Software: Session 1

**Session** | **Location:** Beurs van Berlage, Administratiezaal | **Convener:** Clara Gaspar

11:00-11:20

#### The Serial Link Processor for the Fast Tracker (FTK) processor at ATLAS

**Speaker**

Pierluigi Luciano

11:20-11:40

#### The Fast Tracker Processing Unit future evolution

**Speaker**

Christos Gentsos

11:40-12:00

#### A High Performance Multi-Core FPGA Implementation for 2D Pixel Clustering for the ATLAS Fast Tracker (FTK) Processor

**Speaker**

Calliope-louisa Sotiropoulou

12:00-12:20

#### Correction for pile-up effect based on pixel-by-pixel calibration for tomography with Medipix3RX detector

**Speaker**

Jean Rinkel

12:20-12:40

#### TRB3 Platform for Time, Amplitude and Charge Digitisation

**Speaker**

Mr Cahit Ugur

12:40

## Friday 6 June

11:00

### III.c Embedded Software: Session 2

**Session** | **Location:** Beurs van Berlage, Berlagezaal | **Convener:** Lauren Alexandra Tompkins

11:00-11:20

#### Firmware development and testing of the ATLAS IBL Back-Of-Crate card

**Speaker**

Marius Wensing

11:20-11:40

#### Firmware development and testing of the ATLAS Pixel Detector / IBL ROD card

**Speaker**

Shaw-Pin Chen

11:40-12:00

#### Associative Memory computing power and its simulation.

**Speaker**

Dr Guido Volpi

12:00-12:20

#### GPU for online processing in low-level trigger

**Speaker**

Massimiliano Fiorini

12:20-12:40

#### Applications of embedded full gamma spectrum decomposition

**Speaker**

Aran Mol

12:40