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