

Workshop on FPGAs for High-Energy Physics

Report of Contributions

Contribution ID: 4

Type: **not specified**

Welcome and Introduction - Helio Takai (BNL) and Mike Wirthlin (BYU)

Friday 21 March 2014 08:30 (15 minutes)

Presenters: TAKAI, Helio (Brookhaven National Laboratory (US)); WIRTHLIN, Michael (Brigham Young University)

Contribution ID: 5

Type: **not specified**

FPGAs in the upgrade of CMS HCAL

Friday 21 March 2014 09:00 (20 minutes)

Presenter: GRASSI, Tullio (Univ. of Maryland (USA))

Contribution ID: 6

Type: **not specified**

Very Forward Muon Trigger and Data Acquisition Electronics for CMS: Design and Radiation Testing

Friday 21 March 2014 09:20 (20 minutes)

Presenters: BYLSMA, Benjamin Glenn (Ohio State University (US)); GILMORE, Jason (Texas A & M University (US))

Contribution ID: 7

Type: **not specified**

FPGAs in ATLAS Front-End Electronics

Friday 21 March 2014 10:30 (30 minutes)

Presenters: BOHM, Christian (Stockholm University (SE)); AKERSTEDT, Henrik Mikael Erik (Stockholm University (SE))

Contribution ID: 8

Type: **not specified**

FPGAs in LHCb

Friday 21 March 2014 11:00 (30 minutes)

Presenter: O'BANNON, Thomas (University of Maryland (US))

Contribution ID: 9

Type: **not specified**

Single Event Effects in Complex Components

Friday 21 March 2014 14:00 (30 minutes)

Author: WHITE, Dagan (Xilinx)

Presenter: WHITE, Dagan (Xilinx)

Contribution ID: **10**

Type: **not specified**

Using Microsemi Flash-Based FPGA in Radiation Environment

Friday 21 March 2014 15:30 (30 minutes)

Presenter: WANG, JJ

Contribution ID: 11

Type: **not specified**

Experience from using SRAM based FPGAs in the ALICE TPC Detector and Future Plans

Friday 21 March 2014 12:00 (30 minutes)

Presenter: ALME, Johan (Bergen University College (NO))

Contribution ID: 13

Type: **not specified**

The unique challenges of SEE testing for FPGAs

Friday 21 March 2014 14:30 (30 minutes)

Presenter: SWIFT, Gary (Swift Engineering)

Contribution ID: 14

Type: **not specified**

Scrubbing and Mitigation for 28-nm Kintex-7 FPGAs

Friday 21 March 2014 11:30 (30 minutes)

Presenter: WIRTHLIN, Michael (Brigham Young University)

Contribution ID: 15

Type: **not specified**

Discussion and Closing

Friday 21 March 2014 16:00 (30 minutes)

Presenters: TAKAI, Helio (Brookhaven National Laboratory (US)); POSPISIL, Jan (Acad. of Sciences of the Czech Rep. (CZ)); WIRTHLIN, Michael (Brigham Young University)

Contribution ID: **16**

Type: **not specified**

Asynchronous Links for the DTTF L1 Trigger system of CMS

Friday 21 March 2014 09:40 (20 minutes)

Presenter: Mr LOUKAS, Nikitas (University of Ioannina (GR))

Contribution ID: 17

Type: **not specified**

Proton irradiation test of an Altera SRAM-based FPGA for the possible usage in the readout electronics of the LHCb experiment

Friday 21 March 2014 08:45 (15 minutes)

Presenter: FAERBER, Christian (Ruprecht-Karls-Universitaet Heidelberg (DE))