

Workshop on Sensors and High Energy Physics (SHEP 2016)

Report of Contributions

Contribution ID: 1

Type: **not specified**

Analysis of Novel Sensor Systems for Subsurface Object Detection

Friday 21 October 2016 17:00 (15 minutes)

Presenter: Dr DIMIAN, Mihai (USV & Howard University)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 2

Type: **not specified**

Functional renormalisation group in quantum field theory and tensor group field theory

Friday 21 October 2016 09:45 (15 minutes)

Presenter: TANASA , Adrian (Bordeaux Univesity)

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 3

Type: **not specified**

Modeling of metal-oxide gas sensors with field-effect transistor structure

Friday 21 October 2016 15:00 (15 minutes)

Presenter: ANDREI , Petru (Florida State University)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 4

Type: **not specified**

Research in education

Friday 21 October 2016 18:00 (15 minutes)

Presenter: POPOVICI , Bogdan (IFIN-HH)

Session Classification: Outreach & Education activities in areas of physics, electronics and astronomy

Contribution ID: 5

Type: **not specified**

High Energy Physics Measurements, Status and Prospects

Friday 21 October 2016 09:15 (15 minutes)

Presenter: Dr MACIUC, Florin (IFIN-HH)

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 6

Type: **not specified**

Measurements and Physics of Single Event Effects in Integrate Circuits

Friday 21 October 2016 11:30 (15 minutes)

Presenter: Dr MACIUC, Florin (IFIN-HH)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 7

Type: **not specified**

Overview of the LHCb Monte Carlo Simulation Framework

Friday 21 October 2016 10:15 (15 minutes)

Presenter: GRECU, Alex (IFIN-HH (RO))

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 8

Type: **not specified**

Experimental study on Soft Error Mitigation (SEM) Core efficiency

Friday 21 October 2016 11:45 (15 minutes)

Presenter: COJOCARU, Lucian Nicolae (IFIN-HH & USV)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 9

Type: **not specified**

Test bench for ASIC radiation hardness evaluation

Friday 21 October 2016 12:00 (15 minutes)

Presenter: PLACINTA, Vlad-Mihai (IFIN-HH)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: **10**

Type: **not specified**

Comparison of cosmic ray collisions generators and PYTHIA

Friday 21 October 2016 10:45 (15 minutes)

Presenter: ENE, Alexandru Catalin (IFIN-HH)

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 11

Type: **not specified**

Study of the Λ^* resonances in $\Lambda b \rightarrow \Lambda^*(p+K^-)\gamma$ decay, using Helicity Formalism

Friday 21 October 2016 10:30 (15 minutes)

Presenter: GIUBEGA, Lavinia Elena

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 12

Type: **not specified**

Grid site as a tool for data processing and data analysis, computing performance evolution

Friday 21 October 2016 09:30 (15 minutes)

Presenter: IVANOAICA, Teodor (IFIN-HH)

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 13

Type: **not specified**

Electrostatic ion accelerators at IFIN-HH

Friday 21 October 2016 12:30 (15 minutes)

Presenter: MIHAI, Straticiuc (IFIN-HH)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 14

Type: **not specified**

Data Challenge at HL-LHC. Overview of Digital Electronics for the NSW detector in ATLAS

Friday 21 October 2016 12:45 (15 minutes)

Presenter: MARTOIU, Sorin (IFIN-HH)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 15

Type: **not specified**

Steering spin crossover materials with amino-acids derivatives N4-substitution on 1,2,4-triazole; from molecular architecture to applications

Friday 21 October 2016 16:00 (15 minutes)

Presenter: DIRTU, Marinela (Université Catholique de Louvain)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 16

Type: **not specified**

Role of the tridentate thiosemicarbazone ligand in Iron chemistry

Friday 21 October 2016 15:15 (15 minutes)

Presenter: PALAMARCIUC, Oleg (Univesitatea de Stat din Moldova)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 17

Type: **not specified**

A Range of Spin Crossover Temperatures in some Ferrous Materials

Friday 21 October 2016 15:30 (15 minutes)

Presenter: SHOVA, Sergiu (Univesitatea de Stat din Moldova)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 19

Type: **not specified**

CdTe and Cd(Zn)Te detectors

Friday 21 October 2016 15:45 (15 minutes)

Presenter: FOCHUK, Petro (Chernivsti National University)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 20

Type: **not specified**

Quantum Chromodynamics and the Renormalization Theory

Friday 21 October 2016 10:00 (15 minutes)

Presenter: BODNARESCU, Adrian (USV)

Session Classification: CERN Physics and Standard Models of Particle Physics

Contribution ID: 21

Type: **not specified**

Designing of radiation tolerant architectures implemented on FPGA Kintex7 within the LHCb project

Friday 21 October 2016 12:15 (15 minutes)

Presenter: TANASE, Andy (USV)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 22

Type: **not specified**

Detection and Investigation of localized states in new electron transporting heterocyclic polymers and oligomers suitable for optoelectronic devices

Friday 21 October 2016 17:15 (15 minutes)

Presenter: PRELIPCEANU, Marius (USV)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 23

Type: **not specified**

European Researchers Night at Suceava

Friday 21 October 2016 18:15 (15 minutes)

Presenters: PIRGHIE, Cristian (USV); MILICI, Laurențiu Dan (USV)

Session Classification: Outreach & Education activities in areas of physics, electronics and astronomy

Contribution ID: 24

Type: **not specified**

Astronomy and Astrophysics Olympiad - Selection process at USV

Friday 21 October 2016 18:30 (15 minutes)

Presenter: PIRGHIE, Ana-Camelia (USV)

Session Classification: Outreach & Education activities in areas of physics, electronics and astronomy

Contribution ID: 25

Type: **not specified**

"Design, implementation and future challenges in automotive VLC sensors"

Friday 21 October 2016 17:30 (15 minutes)

Presenter: CĂILEAN, Alin (USV)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 26

Type: **not specified**

Cygnus Outreach Activities in areas of physics, electronics and astronomy

Friday 21 October 2016 18:45 (15 minutes)

Presenter: ŞUTAC, Victor (Cygnus & CN Petru Rareş)

Session Classification: Outreach & Education activities in areas of physics, electronics and astronomy

Contribution ID: 27

Type: **not specified**

Nanoelectronic switches based on molecular spin crossover materials

Friday 21 October 2016 16:30 (15 minutes)

Presenter: ROTARU, Aurelian (USV)

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 28

Type: **not specified**

Using Intelligent Materials in Designing a Autoranging System for Force Measuring

Friday 21 October 2016 17:45 (15 minutes)

Presenters: MILICI, Laurențiu Dan (USV); POIENAR, Mihaela

Session Classification: Detection - sensors and electronics, reconstruction methods

Contribution ID: 29

Type: **not specified**

Pressure sensors based on molecular spin crossover compounds

Friday 21 October 2016 16:15 (15 minutes)

Presenter: DIACONU, Andrei (USV)

Session Classification: Detection - sensors and electronics, reconstruction methods