

**Second Biennial African
School on Fundamental
Physics and its Applications**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Theory Recaps, overview, theoretical foundation of particle physics

Monday, 16 July 2012 09:00 (1h 30m)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: 1

Type: **not specified**

Theory Recaps, overview, theoretical foundation of particle physics

Monday, 16 July 2012 11:00 (1h 30m)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: 2

Type: **not specified**

Nuclear Physics

Monday, 16 July 2012 14:00 (1h 30m)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 3

Type: **not specified**

Nuclear Physics

Monday, 16 July 2012 16:00 (30 minutes)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 4

Type: **not specified**

Theory Recaps, overview, theoretical foundation of particle physics

Tuesday, 17 July 2012 09:00 (1h 30m)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: 5

Type: **not specified**

Standard Model of Particle Physics

Tuesday, 17 July 2012 11:00 (1h 30m)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: 6

Type: **not specified**

Nuclear Physics

Wednesday, 18 July 2012 11:45 (45 minutes)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 7

Type: **not specified**

Nuclear Physics

Wednesday, 18 July 2012 14:00 (1h 30m)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 8

Type: **not specified**

Discussion Session

Tuesday, 17 July 2012 17:30 (1 hour)

Presenters: GOVAERTS, Jan (Catholic University of Louvain); ELLIS, Jonathan R. (CERN); ASSAM-AGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 9

Type: **not specified**

Standard model of particle physics

Wednesday, 18 July 2012 09:00 (1h 30m)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: **10**

Type: **not specified**

Standard model of particle physics

Wednesday, 18 July 2012 11:00 (45 minutes)

Presenter: GOVAERTS, Jan (Catholic University of Louvain)

Contribution ID: 11

Type: **not specified**

Beyond the standard model of particle physics

Tuesday, 17 July 2012 14:00 (1h 30m)

Presenter: ELLIS, Jonathan R. (CERN)

Contribution ID: 12

Type: **not specified**

Beyond the standard model of particle physics

Tuesday, 17 July 2012 16:00 (1h 30m)

Presenter: ELLIS, Jonathan R. (CERN)

Contribution ID: 13

Type: **not specified**

Monte Carlo Generators

Thursday, 19 July 2012 09:00 (1h 30m)

Presenter: SKANDS, Peter (CERN)

Contribution ID: 14

Type: **not specified**

Monte Carlo Generators

Thursday, 19 July 2012 11:00 (1h 30m)

Presenter: SKANDS, Peter (CERN)

Contribution ID: 15

Type: **not specified**

Practical session on Monte Carlo Generators

Thursday, 19 July 2012 14:00 (1h 30m)

Presenter: SKANDS, Peter (CERN)

Contribution ID: 16

Type: **not specified**

Practical session on Monte Carlo Generators

Thursday, 19 July 2012 16:00 (1h 30m)

Presenter: SKANDS, Peter (CERN)

Contribution ID: 17

Type: **not specified**

Astroparticle physics and cosmology

Friday, 20 July 2012 09:00 (1h 30m)

Presenter: DE NAUROIS, Mathieu (CNRS)

Contribution ID: **18**

Type: **not specified**

Astroparticle physics and cosmology

Friday, 20 July 2012 11:00 (1h 30m)

Presenter: DE NAUROIS, Mathieu (CNRS)

Contribution ID: **19**

Type: **not specified**

Astroparticle physics and cosmology

Friday, 20 July 2012 14:00 (1h 30m)

Presenter: DE NAUROIS, Mathieu (CNRS)

Contribution ID: 20

Type: **not specified**

Astroparticle physics and cosmology

Friday, 20 July 2012 16:00 (1h 30m)

Presenter: DE NAUROIS, Mathieu (CNRS)

Contribution ID: 21

Type: **not specified**

Particle interactions with mater, experimental fundation of particle physics

Monday, 23 July 2012 09:00 (1h 30m)

Presenter: CONNELL, Simon (University of Johannesburg (ZA))

Contribution ID: 22

Type: **not specified**

Particle interactions with mater, experimental fundation of particle physics

Monday, 23 July 2012 11:00 (1h 30m)

Presenter: CONNELL, Simon (University of Johannesburg (ZA))

Contribution ID: 23

Type: **not specified**

Particle detectors

Monday, 23 July 2012 14:00 (1h 30m)

Presenter: GOERLACH, Ulrich (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 24

Type: **not specified**

Particle detectors

Monday, 23 July 2012 16:00 (2 hours)

Presenter: GOERLACH, Ulrich (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 25

Type: **not specified**

Practical session - data analysis with ROOT

Tuesday, 24 July 2012 14:00 (1h 30m)

Presenter: GRAY, Heather (CERN)

Contribution ID: 26

Type: **not specified**

Practical session - data analysis with ROOT

Tuesday, 24 July 2012 16:00 (2 hours)

Presenter: GRAY, Heather (CERN)

Contribution ID: 27

Type: **not specified**

Object Identification and Data Analysis

Tuesday, 24 July 2012 09:00 (1h 30m)

Presenter: CONNELL, Simon (University of Johannesburg (ZA))

Contribution ID: 28

Type: **not specified**

Object Identification and Data Analysis

Tuesday, 24 July 2012 11:00 (1h 30m)

Presenter: CONNELL, Simon (University of Johannesburg (ZA))

Contribution ID: 29

Type: **not specified**

Neutrino Physics, Kaons and B-meson Studies

Wednesday, 25 July 2012 09:00 (1h 30m)

Presenter: WHITE, Herman (FNAL)

Contribution ID: **30**

Type: **not specified**

Collider Physics

Wednesday, 25 July 2012 11:00 (1h 30m)

Presenter: EKELOF, Tord Johan Carl (Uppsala University (SE))

Contribution ID: 31

Type: **not specified**

Discussion seminars with each of 3 students groups

Wednesday, 25 July 2012 14:00 (2 hours)

Presenters: WHITE, Herman B (FNAL); BAKER, Oliver (Yale University); MUANZA, Steve Guy (Universite d'Aix - Marseille II (FR)); EKELOF, Tord Johan Carl (Uppsala University (SE))

Contribution ID: 32

Type: **not specified**

Colloquium - future prospects of experimental particle physics

Wednesday, 25 July 2012 16:30 (1 hour)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: **33**

Type: **not specified**

Heavy ion physics

Thursday, 26 July 2012 11:00 (1h 30m)

Presenter: VILAKAZI, Zabulon (iThemba Lab. for Accel. Based Sci. (ZA))

Contribution ID: 34

Type: **not specified**

Heavy ion physics

Friday, 27 July 2012 16:30 (1h 30m)

Presenter: VILAKAZI, Zabulon (iThemba Lab. for Accel. Based Sci. (ZA))

Contribution ID: 35

Type: **not specified**

Discussion seminars with each of 3 student groups

Thursday, 26 July 2012 14:00 (2 hours)

Presenters: WHITE, Herman B (FNAL); Prof. BAKER, Oliver (Yale University); MUANZA, Steve Guy (Universite d'Aix - Marseille II (FR)); EKELOF, Tord Johan Carl (Uppsala University (SE))

Contribution ID: 36

Type: **not specified**

Statistical analysis

Thursday, 26 July 2012 16:30 (1h 30m)

Presenter: CONNELL, Simon (University of Johannesburg (ZA))

Contribution ID: 37

Type: **not specified**

Practical Session - Geant-4 simulation

Friday, 27 July 2012 09:00 (1h 30m)

Presenter: DOTTI, Andrea (CERN)

Contribution ID: **38**

Type: **not specified**

Practical Session - Geant-4 simulation

Friday, 27 July 2012 11:00 (1h 30m)

Presenter: DOTTI, Andrea (CERN)

Contribution ID: 39

Type: **not specified**

Discussion seminars with each 3 student groups

Friday, 27 July 2012 14:00 (2 hours)

Presenters: WHITE, Herman B (FNAL); Prof. BAKER, Oliver (Yale University); MUANZA, Steve Guy (Universite d'Aix - Marseille II (FR)); EKELOF, Tord Johan Carl (Uppsala University (SE))

Contribution ID: 40

Type: **not specified**

Practical session - data analysis with ROOT

Thursday, 26 July 2012 09:00 (1h 30m)

Presenter: GRAY, Heather (CERN)

Contribution ID: 41

Type: **not specified**

Recaps, overview - Particle beam dynamics, beam optics, instrumentations, light sources, applications

Monday, 30 July 2012 14:00 (1h 30m)

Presenter: RIVKIN, Leonid (Paul Scherrer Institute & EPFL)

Contribution ID: 42

Type: **not specified**

Recaps, overview - Particle beam dynamics, beam optics, instrumentations, light sources, applications

Monday, 30 July 2012 16:00 (1h 30m)

Presenter: RIVKIN, Leonid (Paul Scherrer Institute & EPFL)

Contribution ID: 43

Type: **not specified**

Particle accelerator physics

Monday, 30 July 2012 09:00 (1h 30m)

Presenter: EVANS, Lyn (Imperial College Sci., Tech. & Med. (GB))

Contribution ID: 44

Type: **not specified**

Particle accelerator physics

Monday, 30 July 2012 11:00 (1h 30m)

Presenter: EVANS, Lyn (Imperial College Sci., Tech. & Med. (GB))

Contribution ID: 45

Type: **not specified**

Neutron Sources

Tuesday, 31 July 2012 09:00 (1h 30m)

Presenter: DARVE, Christine (European Spallation Source)

Contribution ID: 46

Type: **not specified**

Neutron Sources

Tuesday, 31 July 2012 11:00 (30 minutes)

Presenter: DARVE, Christine (European Spallation Source)

Contribution ID: 47

Type: **not specified**

Synchrotron Light

Tuesday, 31 July 2012 14:00 (1h 30m)

Presenter: WINICK, Herman (SLAC)

Contribution ID: 48

Type: **not specified**

Particle beam instrumentation

Tuesday, 31 July 2012 16:00 (2 hours)

Presenter: DABROWSKI, Anne (CERN)

Contribution ID: 49

Type: **not specified**

Medical applications

Friday, 3 August 2012 09:00 (1h 30m)

Presenter: MUANZA, Thierry

Contribution ID: 50

Type: **not specified**

Medical applications

Presenter: MUANZA, Thierry

Contribution ID: 51

Type: **not specified**

Light sources and their applications

Wednesday, 1 August 2012 14:00 (1h 30m)

Presenter: WINICK, Herman

Contribution ID: 52

Type: **not specified**

Practical Session - Geant-4 simulation

Wednesday, 1 August 2012 16:00 (2 hours)

Presenter: DOTTI, Andrea (Geant 4 Associates International Experts in Radiation Simulatio)

Contribution ID: 53

Type: **not specified**

Medical applications

Presenter: MUANZA, Thierry

Contribution ID: 54

Type: **not specified**

Practical Session - Geant-4 simulation

Presenter: BECKER, Bruce (DAPNIA)

Contribution ID: 55

Type: **not specified**

Solar Energy Applications

Thursday, 2 August 2012 09:00 (1h 30m)

Presenter: Prof. MENSAH, S. Y. (University of Cape Coast, Ghana)

Contribution ID: 56

Type: **not specified**

Colloquium - Particle accelerators and applications

Thursday, 2 August 2012 17:00 (1 hour)

Presenter: LEBRUN, Philippe (CERN)

Contribution ID: 57

Type: **not specified**

Beam Physics for Advanced Accelerators and Radiation Sources

Wednesday, 1 August 2012 09:00 (1h 30m)

Presenter: SERAFINI, luca (INFN-Milan)

Contribution ID: 58

Type: **not specified**

Beam Physics for Advanced Accelerators and Radiation Sources

Wednesday, 1 August 2012 11:00 (1h 30m)

Presenter: SERAFINI, luca (INFN-Milan)

Contribution ID: 59

Type: **not specified**

Digital Library

Friday, 3 August 2012 14:00 (1h 30m)

Presenter: HOLTKAMP, Annette (CERN)

Contribution ID: **60**

Type: **not specified**

Digital Library

Friday, 3 August 2012 16:00 (1h 30m)

Presenter: HOLTKAMP, Annette (CERN)

Contribution ID: **61**

Type: **not specified**

Free Time or Excursion 1

Saturday, 21 July 2012 08:00 (10 hours)

We will visit 2 locations:

Kakum National Park:

<http://www.kakumnationalpark.info/1.html>

Cape Coast Castle:

<http://capecoastcastle.ghana-net.net/>

The bus will depart at 5:30am. The journey will take about 3 hours. We will have breakfast when I arrive. Please be ready to get on the bus at 5:30am.

Contribution ID: **62**

Type: **not specified**

Free Time or Excursion 2

Saturday, 4 August 2012 08:00 (10 hours)

Contribution ID: **64**

Type: **not specified**

Welcome and Introduction

Monday, 6 August 2012 09:00 (15 minutes)

Contribution ID: 65

Type: **not specified**

Introductions, Welcome & Logistics

Contribution ID: **66**

Type: **not specified**

Nuclear physics

Wednesday, 18 July 2012 16:00 (1h 30m)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 67

Type: **not specified**

Overview of the workshop

Contribution ID: **68**

Type: **not specified**

The Use of Grid Computing Technology in HEP

Monday, 6 August 2012 09:15 (30 minutes)

Presenter: Prof. YU, Jae (University of Texas at Arlington (US))

Contribution ID: 69

Type: **not specified**

Introduction to High Throughput Computing (lecture)

Monday, 6 August 2012 09:45 (15 minutes)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 70

Type: **not specified**

Running HTC jobs locally with Condor, Part 1 (hands-on)

Monday, 6 August 2012 10:00 (30 minutes)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 71

Type: **not specified**

Running HTC jobs locally with Condor, Part 2 (hands-on)

Monday, 6 August 2012 11:00 (1h 30m)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 72

Type: **not specified**

More about Condor (lecture)

Monday, 6 August 2012 14:00 (30 minutes)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 73

Type: **not specified**

More about HTC with Condor, Part 1 (hands-on)

Monday, 6 August 2012 14:30 (1 hour)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 74

Type: **not specified**

More about HTC with Condor, Part 2 (hands-on)

Monday, 6 August 2012 16:00 (2 hours)

Presenter: KRONENFELD, Scot (UW-Madison)

Contribution ID: 75

Type: **not specified**

Security on the Grid

Contribution ID: 76

Type: **not specified**

Intro to grids and overlay systems (lecture)

Tuesday, 7 August 2012 09:00 (45 minutes)

Presenter: QUICK, Robert (Indiana University)

Contribution ID: 78

Type: **not specified**

Running jobs remotely with glideinWMS (hands-on)

Tuesday, 7 August 2012 09:45 (45 minutes)

Presenter: QUICK, Robert (Indiana University)

Contribution ID: 79

Type: **not specified**

The Grid and how overlay systems use them (lecture)

Tuesday, 7 August 2012 11:00 (1 hour)

Presenter: QUICK, Robert (Indiana University)

Contribution ID: **80**

Type: **not specified**

Introduction to security (lecture)

Tuesday, 7 August 2012 12:00 (30 minutes)

Presenter: QUICK, Robert (Indiana University)

Contribution ID: **81**

Type: **not specified**

Introduction to distributed storage (lecture)

Tuesday, 7 August 2012 14:00 (30 minutes)

Presenter: Dr SEVERINI, Horst (University of Oklahoma (US))

Contribution ID: **82**

Type: **not specified**

Using distributed storage (hands-on)

Tuesday, 7 August 2012 14:30 (1 hour)

Presenter: Dr SEVERINI, Horst (University of Oklahoma (US))

Contribution ID: 83

Type: **not specified**

Using distributed storage, part 2 (lecture)

Tuesday, 7 August 2012 16:00 (1 hour)

Presenter: Dr SEVERINI, Horst (University of Oklahoma (US))

Contribution ID: **84**

Type: **not specified**

Using distributed storage, part 2 (hands-on)

Tuesday, 7 August 2012 17:00 (1 hour)

Presenter: Dr SEVERINI, Horst (University of Oklahoma (US))

Contribution ID: 85

Type: **not specified**

AfricaGrid Wrap-up

Wednesday, 8 August 2012 14:30 (1 hour)

Presenter: Prof. YU, Jae (University of Texas at Arlington (US))

Contribution ID: **86**

Type: **not specified**

Accelerator Instrumentation

Tuesday, 31 July 2012 11:30 (1 hour)

Presenter: DARVE, Christine (European Spallation Source)

Contribution ID: 87

Type: **not specified**

Beam Physics for Advanced Accelerators and Radiation Sources

Presenter: SERAFINI, Luca (INFN)

Contribution ID: **88**

Type: **not specified**

Particle beam instrumentation

Thursday, 2 August 2012 15:00 (1h 30m)

Presenter: DABROWSKI, Anne (CERN)

Contribution ID: **89**

Type: **not specified**

Medical Applications

Thursday, 2 August 2012 14:00 (1 hour)

Presenter: MUANZA, Thierry

Contribution ID: **90**

Type: **not specified**

Practical Session - Geant-4 simulation

Friday, 3 August 2012 11:00 (1h 30m)

Presenter: DOTTI, Andrea (CERN)

Contribution ID: **91**

Type: **not specified**

Welcome Address

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 92

Type: **not specified**

Welcome Address

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 93

Type: **not specified**

Welcome Address

Sunday, 15 July 2012 18:00 (30 minutes)

Presenter: ASSAMAGAN, Ketevi Adikle (Brookhaven National Laboratory (US))

Contribution ID: 94

Type: **not specified**

Colloquium on particle physics

Monday, 16 July 2012 16:30 (1h 30m)

Presenter: ELLIS, Jonathan R. (CERN)

Contribution ID: 95

Type: **not specified**

Introduction remarks and ASP2012

Saturday, 28 July 2012 10:00 (10 minutes)

Presenters: DARVE, Christine (ESS); AMOAKO-YIRENKYI, Peter (PMB/KNUST)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: 96

Type: **not specified**

The Road Map for Discoveries for Africa

Saturday, 28 July 2012 11:50 (20 minutes)

The value of discovery science can be easily seen in the impact of basic research on education, infrastructure, international collaborations and contributions to human kind.

A roadmap will be presented that discusses a few recent discoveries associated with High Energy Physics that are becoming an important part of the way nations plan to go forward.

Presenter: WHITE, Herman (FNAL)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: 97

Type: **not specified**

Physics and its Medical Applications in Africa

Saturday, 28 July 2012 10:30 (20 minutes)

Chief among its activities is the operation of a k=200 separate sector cyclotron which provides proton beams of energies up to 200 MeV. These beams are used for fundamental nuclear physics research in the intermediate energy region, isotope production and medical physics applications. The main emphasis of the latter is the neutron and proton therapy treatment programme. To this end, iThemba LABS is the only hadron therapy centre in Africa and in the Southern Hemisphere and one of the very few (in not the only) centre where patients can be treated with high-energy neutrons and protons. Patients from all over South Africa as well as neighbouring countries have been treated on these facilities. Currently, plans are in advance for the extension/upgrade of the facilities to include a dedicated radiation treatment centre. In this presentation I will outline details of the programmes (in nuclear and medical physics research) and give outlook on the role iThemba LABS will play in the area in accelerator bases sciences –both in the Country and the rest of the African continent.

Presenters: DOSANJH, Manjit; VILAKAZI, Zeblon

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: 98

Type: **not specified**

The Transformation and Re-shaping of Physics in SA

Saturday, 28 July 2012 10:50 (20 minutes)

This talk reviews the history of Physics in SA. Its a colonial history, but it is followed by a period of great hope and a trajectory of growth.

Our history exhibits the exclusion of the majority from full participation due to the apartheid policies practiced until 1994. With the advent of democracy, there followed a very successful process of transformation. This was not enough to ensure the success of the discipline. At the same time, there was a world-wide slump in attracting new young talent and funding into physics. More was necessary. Together with the government, the physicists themselves assessed their profession and developed recommendations, together with the help of international colleagues. These recommendations have been implemented. Physics in South Africa now experiences unprecedented growth and optimism for the future. South Africa would like to build its networks within Africa, to participate in the African scientific renaissance, and the full contribution to the global science collaborative effort. What may yet come out of Africa ?

Presenter: CONNELL, Simon (President - South African Institute of Physics)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: 99

Type: **not specified**

The SESAME Project and the Impact of Synchrotron Radiation on Science and Society in Developing Countries

Saturday, 28 July 2012 14:10 (20 minutes)

At present there are more than 60 synchrotron radiation light sources in operation in 20 countries around the world, with more in construction and design (see: www.lightsources.org). Although most facilities are in technologically advanced countries, there is significant activity in the developing world. Light source projects in Brazil, Korea, and Taiwan have been in operation for more than 15 years. The value of these project has resulted in the funding of newer, higher performance facilities in each of these countries. SESAME, a UNESCO sponsored project, modeled on CERN, is constructing a light source in Jordan as a collaboration involving nine Middle East countries (www.sesame.org.jo). It has been called a “model project for other regions.

Presenter: WINICK, Herman

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **100**Type: **not specified**

The Road map of Applied Physics with compact accelerator based systems

Saturday, 28 July 2012 14:30 (20 minutes)

Particle Accelerators played a crucial role in science over the last century both in developing fundamental knowledge and in pushing applications of high social impact as by-products of the technologies in turn developed to fulfill High Energy Physics requirements. We will give a few examples of how compact and moderate costly accelerators may have a crucial role in countries under development to stimulate the growth of knowledge and expertise at University campus level, exploiting emerging technologies in the field of advanced radiation sources for use in medicine, biology, material science and, eventually, nuclear applications.

Presenter: SERAFINI, Luca (INFN)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **101**

Type: **not specified**

LUNCH

Saturday, 28 July 2012 12:10 (1h 50m)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **102**

Type: **not specified**

Address from the Ghana Officials –Policy Leader

Saturday, 28 July 2012 10:10 (20 minutes)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **103**

Type: **not specified**

Student Poster Session and Open Session

Saturday, 28 July 2012 15:10 (2h 50m)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **104**

Type: **not specified**

The Road Map for Discoveries –The Large Hadron Collider and the Higgs Boson

Saturday, 28 July 2012 11:30 (20 minutes)

Presenter: DE ROECK, Albert

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **105**

Type: **not specified**

Raising Hope and Scientists: Building School in Africa

Saturday, 28 July 2012 14:50 (10 minutes)

The access to the scientific knowledge starts with raising youth kids in a friendly environment. We will introduce here the effort of a small foundation dedicated to build new school infrastructures in Africa. This effort was successful in Guinea, soon in Gambia, and has been initiated in Ghana.

Presenter: DARVE, Christine (European Spallation Source)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **106**

Type: **not specified**

ATLAS Virtual Tour

Friday, 27 July 2012 13:15 (45 minutes)

Contribution ID: **107**

Type: **not specified**

Coffee break

Saturday, 28 July 2012 11:10 (20 minutes)

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **108**

Type: **not specified**

ASP2012 BANQUET- at International Center for Innovative

Saturday, 28 July 2012 18:00 (2 hours)

FOOD, TRADITIONAL DRUMMING AND DANCING BY AGYA KOO NIMO

Session Classification: Forum & Outreach Day - July 28th

Contribution ID: **109**

Type: **not specified**

Lecture: Introduction to Analysis Example tutorial

Wednesday, 8 August 2012 09:00 (30 minutes)

Presenter: Prof. SKUBIC, Patrick (University of Oklahoma)

Contribution ID: **110**

Type: **not specified**

Tutorial: Analysis Example

Wednesday, 8 August 2012 09:30 (1 hour)

Presenters: GREENWOOD JR, Dick (Louisiana Tech University (US)); Prof. YU, Jae (University of Texas at Arlington (US)); GRAY, Julia Ann (State University of New York (US)); Prof. SKUBIC, Patrick (University of Oklahoma)

Contribution ID: 111

Type: **not specified**

From Science to Workflows (lecture and hands-on)

Contribution ID: **112**

Type: **not specified**

Analysis Example Continued

Wednesday, 8 August 2012 11:00 (1h 30m)

Contribution ID: **113**

Type: **not specified**

Student Surveys

Wednesday, 8 August 2012 14:00 (30 minutes)

Students evaluate the School of Physics and the AfricaGrid Workshop

Contribution ID: 114

Type: **not specified**

Solar Energy Applications

Thursday, 2 August 2012 11:00 (1h 30m)

Presenter: MENSAH, S.Y. (University of Cape Coast, Ghana)

Contribution ID: 115

Type: **not specified**

Students Presenting Physics in their Country

Friday, 3 August 2012 17:30 (30 minutes)

Contribution ID: **116**

Type: **not specified**

Indiana University

Presenter: QUICK, Robert (Indiana University)

Contribution ID: **117**

Type: **not specified**

Indiana University

Sunday, 5 August 2012 14:00 (20 minutes)

Presenter: QUICK, Robert (Indiana University)

Session Classification: College Fair

Contribution ID: **118**

Type: **not specified**

University of Texas at Arlington

Sunday, 5 August 2012 14:20 (20 minutes)

Presenter: Prof. YU, Jae (University of Texas at Arlington (US))

Session Classification: College Fair

Contribution ID: **119**

Type: **not specified**

The University of Oklahoma

Sunday, 5 August 2012 14:40 (20 minutes)

Presenters: Prof. SKUBIC, Patrick (University of Oklahoma); SKUBIC, Patrick (University of Oklahoma (US))

Session Classification: College Fair

Contribution ID: 120

Type: **not specified**

Louisiana Tech University

Sunday, 5 August 2012 15:00 (20 minutes)

Presenter: GREENWOOD JR, Dick (Louisiana Tech University (US))

Session Classification: College Fair

Contribution ID: 121

Type: **not specified**

Stony Brook University

Sunday, 5 August 2012 15:20 (20 minutes)

Presenter: GRAY, Julia Ann (State University of New York (US))

Session Classification: College Fair