

August 1-21, 2010
 NITheP at Stellenbosch
 South Africa
 Website:
<http://AfricanSchoolofPhysics.web.cern.ch>



Application:
 ASP2010-Registration@cern.ch

Deadline:
 from Dec 1, 2009 until March 1, 2010

Bursaries and full support are available, to apply please provide a CV and a letter of motivation.

Contact:
 Steve Muanza
 muanza@in2p3.fr

Physics Topics:

- Theoretical Physics
 - Foundation of Nuclear and Particle Physics
 - Standard Model of Particle Physics
 - Beyond The Standard Model
- Astro-Particle Physics
- Experimental Sub-Atomic Physics
 - Heavy Ion Physics
- Nuclear and Particle Physics
 - Particle Detectors
 - HEP Computing
- Accelerators and Optics
 - Instrumentation
 - Beam Optics
 - Particle Accelerators
 - Medical Applications
 - Light Sources
 - Laser
 - Fusion
 - Transfer of Technology
- GRID Computing
 - Application in Particle Physics Experiments

International Organizing Committee:

- B. Acharya (ICTP, IT)
- K. Assamagan (BNL, USA)
- H. Bachhouz (CEA, RFU, FR)
- C. Darve (FNAL, USA)
- J. Ellis (CERN, CH)
- E. G. Ferreira (U. S. de Compostela, ES)
- J. Goetsch (Louvain U., BE)
- J. Huston (MSU, USA)
- M. Kado (LAL, Orsay, FR)
- Y. K. Kim (FNAL Deputy Director, USA)
- H. Montgomery (JLAB Director, USA)
- S. Muanza (CPAN, Marseille, FR)
- S. Narison (LPTA, Montpellier, FR)
- P. Skands (CERN, CH)

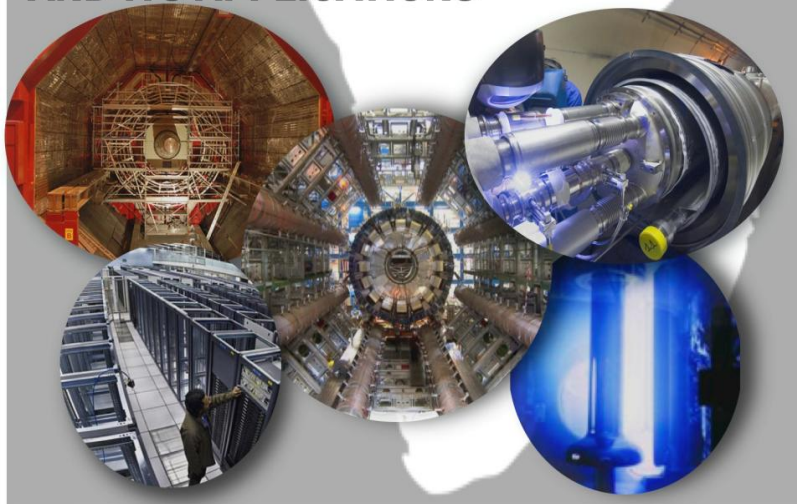
Local Organizing Committee:

- B. Becker (Meraka Institute, SA)
- J. Cleymans (U. Cape Town, SA)
- S. Connell (U. of Johannesburg, SA)
- A. Dobrowski (GEBIL, CH)
- H. Gray (Columbia U, USA)
- C. Lee (U. of Johannesburg, SA)
- T. Vickey (U. Wits., SA)
- Z. Vlakazi (Themba LABS Director, Cape Town, SA)

Honorary Members:

- B. Bardeen (FNAL, USA)
- I. Giombaria (CEA RFU, FR)
- L. Lederman (FNAL, USA) - Nobel Laureate

The 2010
**AFRICAN SCHOOL ON
 FUNDAMENTAL PHYSICS
 AND ITS APPLICATIONS**



“Beyond the ASP2010”

Christine Darve / FNAL on behalf of
 Simon Connell and Brian Masara

Forum/Outreach Day: A Gateway to Innovation
 August 21st 2010

A Joint Collaboration formed of:

- France: CNRS-IN2P3, CEA , Institut des Grilles,
- Italy: ICTP,
- USA: FNAL, Jlab, BNL,
- Spain: Univ. S. de Compostela,
- Switzerland: CERN, PSI, EPFL,
- SA: NITheP, NRF.



Another Physics world without Frontiers:

→ The first biennial African School of Fundamental Physics and its Applications

- The aim of the school is to build capacity to harvest, interpret, and exploit the results of current and future physics experiments with particle accelerators, and to increase proficiency in related applications and technologies.
- Unify ... not only Forces but..
 - Theoretical Subatomic Physics.
 - Experimental Subatomic Physics.
 - Accelerators and Technology.
 - Information Technology and GRID.

Student origin:	#
Algeria	1
Cameroon	2
DR Congo	6
Egypt	3
Ethiopia	5
Ghana	1
Kenya	2
Madagascar	5
Morocco	1
Nigeria	8
Rwanda	1
South Africa	12
Senegal	1
Sudan	5
Tunisia	1
Zambia	4
Zimbabwe	2
Canada	1
Germany	1
India	1
Switzerland	1
USA	1
Total ==>	65

A rainbow of Physicists



ASP Closure & Outreach, Forum Day: A Gateway to Innovation

- Panel of Physics Experts and Policy Makers
- Students and Lecturers have exchanged Knowledge in their field of expertise
- Build durable networks in a Physics World without borders
- “It is time for Africa”...

ASP Closure & Outreach, Forum Day: A Gateway to Innovation - Program of the Day

- **DST Address**

by Daniel ADAMS (Chief Director: Engineering Areas & Infrastructure)

- **“Road Map for Discoveries at Hadron Colliders”** *by Peter JENNI*

- **“Roadmap to High Energy Physics: SA-CERN and ALICE”** *by Jean CLEYMANS*

- **“Particle accelerators: ships of discovery, engines of development”**
by Philippe LEBRUN

- **“CERN – A Gateway to Collaboration & Innovation”** *by Emmanuel TSESMEELIS*

- **“Energetic and Nuclear Fusion”** *by Norbert HOLTKAMP*

- **“Progress in particle therapy in Europe”** *by Manjit DOSANJH*

- **DST Meeting**

