

# **ASP2014**

**Sunday 03 August 2014 - Saturday 23 August 2014**

**Cheikh Anta Diop University Dakar**

## **Programme**

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# Sunday 03 August 2014

**Welcome Session - (17:00-19:30)**

# Monday 04 August 2014

## **Theoretical Physics - (09:00-18:30)**

### **Introduction to Particle Physics I & II - (09:00-10:30)**

- Presenters: ACHARYA, Bobby Samir

### **Quantum Mechanics Recaps I & II - (11:00-12:30)**

- Presenters: ENGLERT, Christoph

### **Special Relativity and Kinematics I & II - (14:00-15:30)**

- Presenters: ENGLERT, Christoph

### **Feynman Diagrams and Hadroproduction Processes I & II - (16:00-17:30)**

- Presenters: ENGLERT, Christoph

### **Linux Boot camp - (17:30-18:30)**

- Presenters: REGNAULD, Phil; ALLEN, Hervey; BOUBA, Fanta; GUEYE SY, Khoudia

## **Tuesday 05 August 2014**

### **Nuclear Physics I & II - (09:00-10:30)**

- Presenters: ELOUADRHIRI, Latifa

### **Theoretical Physics: Theoretical Physics - (09:00-18:30)**

### **SM of Particle Physics I & II - (11:00-12:30)**

- Presenters: ACHARYA, Bobby

### **Cosmology and Astroparticle Physics I & II - (14:00-15:30)**

- Presenters: DE NAUROIS, Mathieu

### **Linux Boot Camp - (16:00-18:30)**

- Presenters: REGNAULD, Phil; GUEYE SY, Khoudia; BOUBA, Fanta



## **Wednesday 06 August 2014**

### **Nuclear Physics III & IV - (09:00-10:30)**

- Presenters: ELOUADRHIRI, Latifa

### **Theoretical Physics: Theoretical Physics - (09:00-18:30)**

### **Linux Boot Camp - (11:00-12:30)**

- Presenters: BOUBA, Fanta; GUEYE SY, Khoudia; REGNAULD, Phil

### **Monte Carlo Generators I & II - (14:00-15:30)**

- Presenters: Dr. SCHOENHERR, Marek

### **Parallel Sessions: Particle Physics Tutorial I & II / Nuclear Physics Computing - (16:00-18:30)**

- Presenters: ELOUADRHIRI, Latifa; HEDDLE, David; ACHARYA, Bobby Samir; ENGLERT, Christoph

# Thursday 07 August 2014

## **Cosmology and Astroparticle Physics III & IV - (09:00-10:30)**

- Presenters: DE NAUROIS, Mathieu

## **Theoretical Physics: Theoretical Physics - (09:00-18:30)**

## **SM of Particle Physics III & IV - (11:00-12:30)**

- Presenters: ACHARYA, Bobby

## **Monte Carlo Generators III & IV - (14:00-15:30)**

- Presenters: Dr. SCHÖNHERR, Marek

## **Tutorial V (MC Gen.) - (16:00-17:30)**

- Presenters: SCHOENHERR, Marek

## **Colloquium: Particle Physics Perspective from Theory - (17:30-18:30)**

- Presenters: Prof. ELLIS, John

## **Friday 08 August 2014**

**Theoretical Physics: Theoretical Physics - (09:00-18:00)**

**Tutorial Monte Carlo Generators III & IV - (09:00-10:30)**

- Presenters: Dr. SCHÖNHERR, Marek

**Nuclear Physics - (11:00-12:30)**

- Presenters: ASSAMAGAN, Ketevi Adikle

**(TBC) Particle-Matter Interactions, Detectors, Particle ID I & II - (14:00-15:30)**

- Presenters: GOERLACH, Ulrich

**Tutorial III & IV - (16:00-18:00)**

- Presenters: ELLIS, Jonathan R.; ACHARYA, Bobby Samir

## **Saturday 09 August 2014**

**Excursion** - (06:00-16:00)

*Lunch bag for participants*

## **Sunday 10 August 2014**

**Free Time** - (06:00-17:00)

# Monday 11 August 2014

## **Experimental Physics - (09:00-18:30)**

### **(TBC) Particle-Matter Interactions, Detectors, Particle ID III & IV - (09:00-10:30)**

- Presenters: GOERLACH, Ulrich

### **Heavy flavour production and decays at colliders - (11:00-12:30)**

- Presenters: CAMPANELLI, Mario

### **Introduction to Statistical Analysis I & II - (14:00-15:30)**

- Presenters: ASSAMAGAN, Ketevi Adikle

### **Introduction to Statistical Analysis III - (16:00-16:30)**

- Presenters: ASSAMAGAN, Ketevi Adikle

### **Standard Model Results from ATLAS and CMS - (16:30-18:30)**

- Presenters: GRAY, Heather

## Tuesday 12 August 2014

**Experimental Physics: Experimental Physics - (09:00-18:00)**

**Towards Physics Results from LHC Experiments I & II - (09:00-10:30)**

- Presenters: MAZINI, Rachid

**Geant 4 Detector Simulation I & II - (11:00-12:30)**

- Presenters: APOSTOLAKIS, John

**Particle-Matter Interactions, Detectors and Particle Identification - (14:00-14:40)**

- Presenters: GOERLACH, Ulrich

**Heavy Flavor Production and Decay at Colliders - (14:45-15:25)**

- Presenters: CAMPANELLI, Mario

**Parallel Sessions: French & English - (16:00-18:00)**

- Presenters: ASSAMAGAN, Ketevi Adikle; GRAY, Julia Ann; YITAMBEN, Esmeralda

## Wednesday 13 August 2014

**Experimental Physics: Experimental Physics - (09:00-17:30)**

**Towards Physics Results from LHC Experiments III & IV - (09:00-10:30)**

- Presenters: MAZINI, Rachid

**BSM Results from LHC Experiments I & II - (11:00-12:30)**

- Presenters: CHOU, John Paul

**Discussion session - (14:00-15:30)**

- Presenters: BVUMBI, Suzan; DIOUF, Saliou

**Colloquium: Particle Physics Perspective from Experiment - (16:00-17:30)**

- Presenters: DE ROECK, Albert

# Thursday 14 August 2014

## **Experimental Physics: Experimental Physics - (09:00-18:30)**

### **Neutrinos Physics and Experiments I & II - (09:00-10:30)**

- Presenters: Dr. WHITE, Herman B.

### **ROOT Analysis Framework - (11:00-12:30)**

- Presenters: GRAY, Heather

### **Introduction to Supersymmetry - (14:00-15:30)**

- Presenters: MUANZA, Steve Guy

### **Discussion Session - (16:00-18:30)**

- Presenters: ALL LECTURERS PRESENT



# Friday 15 August 2014

## **Experimental Physics: Experimental Physics - (09:00-18:00)**

### **Nano Technology - (09:00-09:40)**

- Presenters: YITEMBEN, Esmeralda

### **Introduction to Accelerators I - (09:45-10:30)**

- Presenters: LEBRUN, Philippe

### **Introduction to Accelerators II - (11:00-11:45)**

- Presenters: LEBRUN, Philippe

### **Applications of Accelerators to Nuclear Energy - (11:45-12:30)**

- Presenters: BABCOCK, Carla; MONTANO CARRIZALES, Jacobo Abraham

### **Analysis with ROOT III & IV - (14:00-15:30)**

- Presenters: GRAY, Heather

### **Geant 4: Detector Simulation III & IV - (16:00-18:00)**

- Presenters: APOSTOLAKIS, John

## Saturday 16 August 2014

### **Free Time: Outreach Day - (14:00-18:02)**

time [id] title

14:00	[137]	<b>Welcome to the Forum and Outreach day (00h05')</b>
14:00	[86]	<b>Student Poster Session (04h00')</b> <i>Presenter: LOC</i>
14:05	[138]	<b>Remarks by Dr. H. TOURE (00h05')</b>
14:10	[153]	<b>Address by Telecommunication Ministry representative (00h05')</b> <i>Presenter: Dr. NGOM, Mamoune</i>
14:15	[139]	<b>The ASP Mission (00h10')</b> <i>Presenters: Dr. DARVE, Christine, Dr. ASSAMAGAN, Ketevi</i>
14:25	[140]	<b>Information and Communication Technologies developments in Africa (00h20')</b> <i>Presenter: Dr. TOURE, Hamadoun</i>
14:45	[141]	<b>Digital Library as a collaborative example (00h20')</b> <i>Presenter: Dr. GUEDEGBE, Eric</i>
15:05	[142]	<b>Student scholarships from International Telecommunication Union (00h05')</b>
15:10		Break (00h20')
15:30	[145]	<b>Data acquisition and GRID computing for Africa (00h15')</b> <i>Presenter: Dr. GRAY, Julia</i>
15:45	[146]	<b>CERN Model and Outreach Efforts (00h15')</b> <i>Presenter: Dr. LANDUA, Rolf</i>
16:00	[148]	<b>The Road Map for Discoveries for Africa (00h30')</b> <i>Presenter: Dr. WHITE, Herman</i>
16:30	[149]	<b>Round Table (01h00')</b>

### **School Banquet - (18:00-22:00)**

# Sunday 17 August 2014

**Free Time: Free Time - (06:00-17:00)**

# Monday 18 August 2014

**Accel. Physics & Applications - (09:00-18:30)**

**Free time - (09:00-10:30)**

**Parallel Discussion Sessions French and English - Accelerators - (11:00-12:30)**

- Presenters: LEBRUN, Philippe; BABCOCK, Carla; MONTANO CARRIZALES, Jacobo Abraham

**Colloquium: LHC - (14:00-14:50)**

- Presenters: LEBRUN, Philippe

**Nano technology - (15:00-15:30)**

- Presenters: YITAMBEN, Esmeralda

**Nano Technology - (16:00-16:25)**

- Presenters: YITAMBEN, Esmeralda

**Geant4 Tutorial - (16:30-18:30)**

- Presenters: APOSTOLAKIS, John

## Tuesday 19 August 2014

**Accel. Physics & Applications: Accel. Physics & Applications - (09:00-18:30)**

**Silicon Nanowires fabrication and surface nanostructuring by Metal Assisted Chemical Etching - (09:00-10:30)**

- Presenters: KOBOR, Diouma

**Beam Diagnostics I - (11:00-11:45)**

- Presenters: RAICH, Uli

**Beam Diagnostics II - (11:45-12:30)**

- Presenters: RAICH, Uli

**Free time - (14:00-18:30)**

# Wednesday 20 August 2014

## **Accel. Physics & Applications: Accel. Physics & Applications - (09:00-17:30)**

### **Isotope production and Radiation therapy - (09:00-09:40)**

- Presenters: SILARI, Marco

### **Isotope Production & Radiation Therapy - (09:45-10:25)**

- Presenters: SILARI, Marco

### **Medical Applications I - (11:00-11:45)**

- Presenters: MUANZA, Thierry

### **Medical Applications II - (11:45-12:30)**

- Presenters: MUANZA, Thierry

### **Introduction to Emittance Measurement - (14:00-14:45)**

- Presenters: RAICH, Uli

### **Practical exercises on emittance measurements - (14:45-15:30)**

- Presenters: RAICH, Uli

### **Recap Tutorial on Beam Dynamics & Accelerator Concepts - (16:00-16:45)**

- Presenters: RAICH, Uli

### **Neutron Sources - (16:45-17:30)**

- Presenters: DARVE, Christine

# Thursday 21 August 2014

## **Accel. Physics & Applications: Accel. Physics & Applications - (09:00-18:30)**

### **Coupling of two angular momenta using graphical methods - (09:00-10:30)**

- Presenters: NDAO, Ababacar S

### **High Throuput Computing & HEP - (11:00-11:45)**

- Presenters: Prof. YU, Jae

### **Digital Library I - (11:45-12:30)**

- Presenters: VIGEN, Jens

### **Digital Library II - (14:00-14:40)**

- Presenters: VIGEN, Jens

### **Radiation Measurement and Dosimetry - (14:45-15:25)**

- Presenters: SILARI, Marco

### **Running Jobs Locally with Condor - (16:00-16:45)**

- Presenters: Dr. SEVERINI, Horst

### **Introduction to High Throughput Workflows - (16:45-18:30)**

- Presenters: QUICK, Robert

## Friday 22 August 2014

**Accel. Physics & Applications: Accel. Physics & Applications - (09:00-17:30)**

**Running Workflows Locally with Condor - (09:00-10:30)**

- Presenters: GROSS, Kyle

**Introduction to Grid Computing & Overlays - (11:00-12:30)**

- Presenters: QUICK, Robert

**Running Jobs Remotely with Condor-G & Glide Ins - (14:00-14:45)**

- Presenters: GROSS, Kyle

**Turning Scientific Computing Needs into HTC Jobs - (14:45-15:30)**

- Presenters: Prof. SKUBIC, Patrick

**Other Grid Odds and Ends I & II - (16:00-17:30)**

- Presenters: QUICK, Robert



# Saturday 23 August 2014

**Departure - (06:00-17:00)**