

ASP2016 Scientific Program

Kétévi A. Assamagan

BNL

Student Arrivals / Departures

- Depending on itineraries and flight availabilities, students may:
 - Arrive in Kigali on July 29, 30 or 31
 - Depart on August 19 (night), 20 or 21

Sunday July 31, 2016

- **Welcome Session starting at 17:00**
 - Introductions
 - Practical information
 - Orientation
 - Refreshment and meal
- **Attendance**
 - LOC, all the students and lecturers present, and invited guests

ASP2016 – Theoretical Physics Week August 1-6 2016

Session	Time	Duration	Question/ Answer	Monday August 1	Tuesday August 2	Wednesday August 3	Thursday August 4	Friday August 5	Saturday August 6	
Lecture	09:30	00:40	00:05	Theoretical foundation of Nucl. & Part. Physics I	Theoretical foundation of Nucl. & Part. Phys. V	Theoretical foundation of Nucl. & Part. Phys. VII	Cosmology and Astro-particle phys. III & IV	Particle-Matter Interactions Detectors I&II	EXCURSION	
Lecture	10:15	00:40	00:05							
Coffee Break	11:00-11:30									
Lecture	11:30	00:40	00:05	Theoretical foundation of Nucl. & Part. Physics II	Theoretical foundation of Nucl. & Part. Physics VI	Linux Tutorial III & IV	Nuclear Physics III	Particle-Matter Interactions Detectors III&IV		
Lecture	12:15	00:40	00:05				Statistical Analysis I			
Lunch	13:00-14:30									
Lecture	14:30	00:40	00:05	Theoretical foundation of Nucl. & Part. Physics III	Nuclear Physics I & II	MC Generators I & II	MC Generators III & IV	Particle Identification I & II		
Lecture	15:15	00:40	00:05							
Coffee Break	16:00-16:30									
Lecture	16:30	00:40	00:05	Theoretical foundation of Nucl. & Part. Physics IV	Linux Tutorial I & II	Cosmology and Astro-particle Physics I & II	Tutorial: MC Generators	SM results from the LHC		
Lecture	17:15	00:40	00:05					Colloquium: Part. Phys. Perspective from Theory		
Dinner for Students	19:00-									

ASP2016 – Experimental Physics Week August 8-13 2016

Session	Time	Duration	Question/ Answer	Monday August 8	Tuesday August 9	Wednesday August 10	Thursday Aug. 11	Friday August 12	Saturday August 13
Lecture	09:30	00:40	00:05	Particle Identification III	Statistical Analysis	Neutrinos Physics and Experiments	Introduction to Accelerators	Photon beams in collisions	Outreach for secondary students
Lecture	10:15	00:40	00:05	Heavy Ion Physics					
Coffee Break	11:00-11:30								
Lecture	11:30	00:40	00:05	Geant-4 Simulation II & III	Towards Physics Results from LHC Exp.	Analysis with ROOT	Geant4 Tutorial	Analysis with ROOT	
Lecture	12:15	00:40	00:05						
Lunch	13:00-14:30								
Lecture	14:30	00:40	00:05	SM results from the LHC	Discussion Session/ Student Presentations	BSM Physics	Photon beams in collisions	Parallel Sessions: Masterclasses / Photon beams in collisions	ASP2016 Forum Day / Outreach
Lecture	15:15	00:40	00:05	Heavy flavor at Colliders					
Coffee Break	16:00-16:30								
Lecture	16:30	00:40	00:05	Parallel Sessions: French / English	Heavy Ion Physics	Nano technology	Application of Acc. to Nucl. Energy	Parallel Sessions: Masterclasses / Photon beams in collisions	
Lecture	17:15	00:40	00:05	Students Setting up their Posters					
Dinner for Students	19:00-								Banquet

ASP2016 – Applied Physics Week August 16-19 2016

Session	Time	Duration	Question/ Answer	Monday August 15	Tuesday August 16	Wednesday August 17	Thursday August 18	Friday August 19	Saturday August 20
Lecture	09:30	00:40	00:05	Holiday No Lectures	Lecture on LOC Interests	Intro. to emittance measurement and exercise	Radiation Measurements & Dosimetry	Grid Computing	Student Departures
Lecture	10:15	00:40	00:05				Lecture on LOC Interests		
Coffee Break	11:00-11:30				11:00-11:30				
Lecture	11:30	00:40	00:05		Beam Diagnostics I & II	Parallel Sessions : Neutron Sources / Crystallography	Colloquium: Alternative carriers after a Degree in Physics	Grid Computing	
Lecture	12:15	00:40	00:05				High Throughput Comp. & HEP		
Lunch	13:00-14:30								
Lecture	14:30	00:40	00:05	Holiday No Lectures	Isotope Production & Therapy	Tutorial on Beam dynamics / Accelerators	Grid Computing	Grid Computing	Student Departures
Lecture	15:15	00:40	00:05						
Coffee Break	16:00-16:30				16:00-16:30				
Lecture	16:30	00:40	00:05		Medical Applications I & II	Parallel Sessions: Digital Library / Practical Session on Powder and single crystals XRD	Grid Computing	Grid Computing	
Lecture	17:15	00:40	00:05					Student Survey / Poster Awards / Acknowledge ments and Thanks	
Dinner for Students	19:00-								