

WELCOME TO LISHEP2013 SESSION C WORKSHOP ON HIGH ENERGY PHYSICS IN NEAR FUTURE

MARS 17 - 24

RIO DE JANEIRO

OPENING SESSION



Chairman

Secretariat

http://www.lishep.uerj.br

Alberto Santoro

Márcio Farias de Almeida lishep2013@gmail.com

Workshop on High Energy Physics in the near Future

March 17" to 24"

UERJ - Universidade do Estado do Rio de Janeiro Rua São Francisco Xavier, 524 Rio de Janeiro - Brazil

Scientific Program Session C:

- Electro weak physics
- Hig as
- Forward physics and QCD - Rare decays and new particles
- Flavour physics
- New physics
- Seyond Standard Model
- Upgrade of the experiment of the LHC
- Advance instrumentation and computing for HEP

International Committee

Michelle Arreado Carks Arib Ignicio Bedega Sarros Bhadra Deve Charlton Pierluig I Campana Carlos Garda Carol José A. Chinelato Marie Beattz Clay Du cati Roberto Flori

TerircolNFN, Daly) UNIANDES, Coloriste CDPF, Brack1 York U., Cartinbel Similar International LHCINC BUIL Switzerfamil U.N.Lis Plata, Argentina) UNPCAMP Brad UPPROD. Braudil U. dielle Caterrie, Italyi

- Pacio Glubel no Clemento Herreiro Jose Instanted also Harriss Jung Lucience Material Uri Maor Harvey Newman Pierments Otkione Guido Tonelli Christopher Tully

(ALICELC BHN, Switzerland) (CINVESTAL, Maxim) CMS/CEAN, Switzwebred DESY Gemery Perros, Baly) Take one Second CALTEOH, USA) FINAL USAT Pine, Intyl Princelon, USA)

Local Committee and Local Technical Organizers (visit www.lishep.uerj.br)

Registration deadline: March 1, 2013.







Marco 17-24

Albert





International School on High Energy Physics UERJ - Universidade do Estado do Rio de Janeiro Rio de Janeiro Session C: All last results from LHC, Phenomenology. MARS 17-24

OPENING SESSION

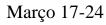
WELCOME TO LISHEP2013

Speakers and participants .

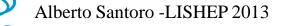
Good Morning to all of you and thank you for coming to LISHEP2013. It is very important to bring to Rio High Energy Physics discussions.

I <u>should</u> inform you of some practical procedures during these days

PLEASE DO YOURSELF THE UPLOAD OF YOUR TALK











TRANSPORTATION

By Taxis:

Very easy. Take taxis on the door of the Hotel to come to UERJ and to return to Hotel you can go directly to the main entrance of the University, where you can find two taxi stands. You can find more details at: <u>www.lishep.uerj.br/Transportation.pdf</u>

Taxi stand, located in front of the UERJ entrance. (inside de Campus)

Taxi stand, located in front of the UERJ building. (outside de Campus)





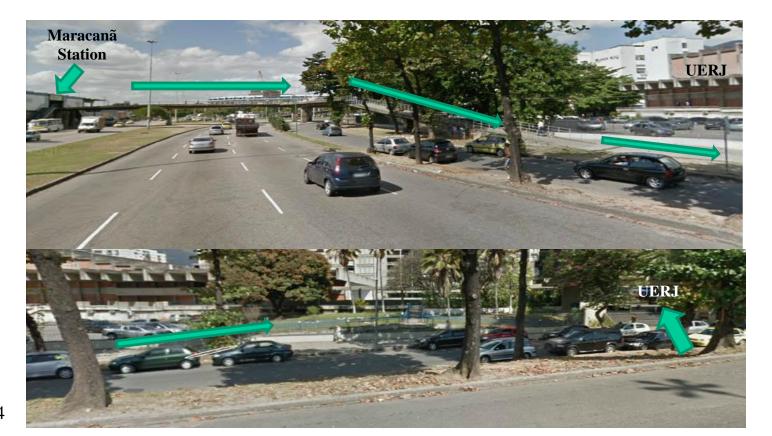
Alberto Santoro -LISHEP 2013



TRANSPORTATION

By Metro:

Drop off at <u>Maracanã station</u> and exit by the ramp over Radial Oeste Avenue. Go until a bifurcation when you take the right to go to UERJ. You can find more details at: <u>www.lishep.uerj.br/Transportation.pdf</u>



Março 17-24



Restaurant Options for lunch around and inside UERJ



 On the fifth, you have pizza and other popular brazilian dishes. You have also on 3rd and 5th floor. You get in walking by ramps or by elevator.





Restaurant Options for lunch around and in the UERJ



2. On the 3rd. Floor



Março 17-24



Restaurant Options for lunch around and in the UERJ

3. On the Ground floor, you have a restaurant too. It is a Self service style.







RESTAURANTS OUTSIDE UERJ

You can find more details at: <u>www.lishep.uerj.br/Restaurants.pdf</u>



Kilograma



PEOPLE THAT RECEIVED FINANCIAL SUPPORT FROM LISHEP:

Please present to our secretariat the **ARRIVAL AND DEPART BOARDING PASS.** In all cases, those that received only perdiem and/or airticket. Our Financial Support Agency need this too.

LISHEP2013 – Session C – Workshop on High Energy Physics in the near Future From 17-24 March 2013 MONDAY 18 March			
Chair: A. Santoro	OPENING SESSION	Scientific Secretary: Eliza Melo	
	Monday - Mars,18 2013		
19:00 – 23:00 WELCO	ME COCKTAIL OF THE	LISHEP2013	
	Welcome Cocktail from 19:00 - 23:0	00	

LISHEP2013 –	Session C –	Workshop on High Energy Physics in the near	Future	MONDAY Mars 18, 2013
	Alberto Santoro	COLLABORATION SESSION	Scientific	Secretary: Eliza Melo
09:00 - 09:10	OPEN WORKSHOP			Alberto Santoro (Brasil – UERJ)
09:10- 10:00	CMS Overview			David D'Enterria (CERN – SW)
10:00 - 10:50	Overview of Recent A	ALICE Results on Hard Probes and Future Pla	ns of ALICE.	Daniel T. Takaki (France – Orsay)
10:50 - 11:10	Coffee break			
11:10 - 12:00	LHCb Overview			Alberto Reis (Brasil – CBPF)
12:00 - 12:50	ATLAS overview and	d Main Results		Krzystof Sliwa (USA-Tufts)
12:50 - 14:20	Lunch Time			
Chair: Wagner Ca	arvalho AFTE	RNOON - QCD & Forward and Small x Phys	sics Scien	tific Secretary: Ewerton Belchior
14:20 - 14:50	QCD Results from A	TLAS		Nicola Orlando (Italy – INFN)
14:50 - 15:20	Review of Diffraction	n Studies in D0 Experiments		Carlos Avila (CO –UNIANDES)
15:20 - 15:50	Diffraction at CMS			Antonio V. Pereira (Brazil – URJ)
15:50 - 16:10	Coffee Break			
16:10 - 16:40	pp cross section at 2,	7, 8 and 57 TeV		Nicolo Cartiglia (Italy – INFN)
16:40 - 17:10	Production on the Fo	orward Region (LHCb)		Murilo Rangel Brasil – UFRJ)
17:10 - 17:40	Forward Jets			Greg Brona (Poland –U.Warsaw)
17:40 - 18:10	Forward Physics at A	ATLAS		Edson Carquin (ChilUTFSM)
18:10 - 18:40	ALICE Diffraction S	tudies, Status and Plans		Gerardo Herrera (MX- Cinvestav)
	N	Velcome Cocktail on the UERJ CHAPEL 19:00 - 23:00		

LISHEP2013 –

Session C – Workshop on High Energy Physics in the near Future

Tuesday, Mars 19 2013

Chairs:José Sá Borges	S PHENOMENOLOGY AND TH	HEORY Scientific Secretary: Daniel	
09:00 - 09:30	Towards Simplicity in Multi-Jets	Erik Gerwick (Germany – Gottingen)	
09:30 - 10:00	Does pp elastic Amplitude Athain Saturation at Recheable Energies?	Uri Maor (Israel – Telavive)	
10:00 - 10:30	Diffraction at LHC	Lazslo Jenkovsky (Ukraine – UASU)	
10:30 - 10:50	Coffee Break		
10:50 - 11:20	Hard Diffraction at the LHC using Proton Tagging	Christopher Royon (France – Saclay)	
11:20 - 11:50	Propbing the BFKL Pomeron with Future ATLAS Forward Detectors	Maciej Trzebinski (Poland – INV)	
11:50 - 12:20	Study on Central Diffraction F0(980) and F2(1270) Meson Production at LHC	Magno Machado (Brasil - UFRGS)	
12:20 - 14:20	Lunch Time		
Chairs: Gilvan Alves	PHENOMENOLOGY AND THEORY	Scientific Secretary: Walter Aldá	
14:20 - 14:50	Scattering Amplitude at 1.8 TeV and total Cross Section	Erasmo Ferreira (Brazil – UFRJ)	
14:50 - 15:20	Diffractive Production of Gauge Bosons and Heavy Flavors: Beyond Factorization	Boris Kopeliovich (Chile – UTFSM)	
15:20 - 15:50	Amplitudes and Cross Sections at LHC	Errol Gotsman (Israel – Telavive)	
15:50 - 16:20	Coffee Break		
16:20 - 17:20	Manipulating Atoms with Light (COLLOQUIUM)	Claude Cohen-Tannoudji (France - College de France)	

LISHEP2013 –

Session C – Workshop on High Energy Physics in the near Future

WEDNESDAY, Mars 20, 2013

Chair: Helena Malbe	ouisson MORNING EXOTICA / SUSY	Scientific Secretary: Lina Huertas	
09:00 - 09:30	Exotica/Susy Results at CMS	Jeremy Mans (USA – U.Minesota)	
09:30-10:00	Susy Researchers with ATLAS detector	Carsten Hensel (Germany – Goettingen)	
10:00 - 10:30	Exotica ATLAS results	Elisa Pueschel (SW – Massachusetts)	
10:30 - 10:50	Coffee Break		
Chair: Clemencia Mora CP-VIOLATION & Rare Decays Scientific Secretary: Marc		ry: Marcos Martins	
10:50 - 11:20	Mixing and CP-Violation in Charm System	Matt Coombes (UK – Bristol)	
11:20 - 11:50	Rare Decays	Francesco Polci (France –LPNHE)	
11:50 - 14:00	LUNCH TIME		
14:00 - 14:30	CP-Violation in Bs to final states including Charmonia	Bruno Souza de Paula (Brazil – CBPF)	
14:30 - 15:00	CP-Violation in Charmless Hadronic B-Decays	Luis Fernando F. Rodrigues (Brasil – CBPF)	
15:00 - 15:20	Coffee Break		
Chair: Clemencia Mo	ora AFTERNOON : ELECTROWEAK	Scientific Secretary: Marcos Martins	
15:20 - 16:00	Electroweak Results from CMS	Matthew Herndon (USA – Wiscouncin)	
16:00 - 16:40	Electroweak Results from ATLAS	Marilyn Marx (UK – U. Manchester)	

LISHEP2013 –	Session C – Workshop on High Energy Physics in the near Future THURSDAY, Mars 21, 2013			
Chair: Helio Nogima UPGRADE		Scientific Secretary: Eduardo Coelho		
09:00 - 09:50	LHC Future: The CMS Perspective	Tiziano Camporesi (SW – CERN)		
09:50 - 10:30	ATLAS Upgrade	Theodore Todorov (France – LAPP)		
10:30 - 10:50	ATLAS The Calorimetry Readout Electronics Upgrade Program for the High Luminosity	Augusto Cerqueira (Brasil – U.Juiz de Fora)		
10:50 - 11:10	Coffee Break			
11:10 - 11:30	Calibration and Performance of the ATLAS Calorimety	Bernardo Sotto-Maior Peralva (Brasil – U.Juiz de Fora)		
11:30 - 12:10	LHCb Upgrade	André Massafferri (Brasil – CBPF)		
12:10 - 14:00	Lunch Time			
Chair : Carley Martins	Chair : Carley Martins AFTERNOON - HEAVY ION Scientific Secretary: Luciana			
14:00 - 14:50	CMS Upgrade	Gilvan Alves (Brasil – CBPF)		
14:50 - 15:40	Overview of Recent ALICE Results on Bulk and Soft Observation	Yiota Foka (SW – CERN)		
15:40 - 15:10	Heavy Ion Physics in CMS	Magdalena Malek (Brasil – UERJ)		
15:10 - 15:30	Coffee Break			
15:30 - 16:00	D Meson production with ALICE	Ricardo Russo ((Italy – INFN)		
16:00 - 16:30	Understanding Partonic Matter with CMS	Michael Murray (USA – U. Kansas)		
16:30 - 17:00	Flow of Phi Meson in Pb + Pb Collisions at 2.76 TeV with ALICE	Ajay Kumar Dash (Brasil – Unicamp)		
17:00 - 17:30	New Probes for QGP: Quarkonium Polarization at LHC	Jõao Seixas (Portugal – LIP)		

FRIDAY, Mars 22, 2013

Chair: André Nep	oomuceno HIGGS Session Scientifi	c Secretary: Diego Figueiredo	
09:00 - 09:50	To Higgs or not To Higgs	John Ellis (UK -King's College London)	
09:50 - 10:40	Higgs Search at ATLAS	Sofia Maria Consonni (Italy – INFN)	
10:40 - 11:00	Coffee Break		
11:00 – 11:50	CMS Higgs Search: Discovery, Measurements,	Harvey Newman (USA – CALTECH)	
11:50 – 12:30	CMS Measurements of a New Boson and ZZ→Four Leptons Channel	Guenakh Mitselmakher (USA – U.Florida)	
12:30 - 14:30	Lunch Time		
Chair ; André Nepomuceno HIGGS SESSION Scie		ientific Secretary: Diego Figueiredo	
14:30 – 15:10	CMS Measurements of a New Boson in the Gamma Gamma Channel	Chris Palmer (USA – UCSD)	
15:10 - 15:40	CMS Higgs Searches: Measurements	Roberval Walsh (Germany – DESY)	
15:50	CLOSE SESSION	Albert Santoro (Brasil - UERJ)	
Workshop Dinner 19:30 – 24:00			



Secure Yourself

- If you decide to go out, Please do with a group not alone.
- Don't react if you are attacked by a pickpocket.
- Do not use attractive Cameras, too much rings and gold.





•Any type of Bad experience, eventual health problems, even if you consider not important please communicate with us, WE HAVE TO CONTACTED A DOCTOR THAT will be happy to see you if necessairy (but it is a private doctor). Please communicate with us

Alberto Santoro – 2.334.0386 – Office

Telephones:



2.551.8489 – Residence 8117.7771 - Cellular Phone

Hospital Copa D'Or: Rua Figueiredo Magalhães,875 [55-21-2545-3600]

Policlinica de Botafogo: Av. Pasteur, 72 – Botafogo [55-21-2543-1804]





Sandra Rocha Marcio Faria Kirsti Aspola

Compute Room



You have access to your email directly by your Laptop WPA2-PSK (Encryption: AES) password: darkmatter

<u>Talks</u>

Talks will be available in the WEB page. Please upload your talk to Indico page.

Thank you.



LISHEP PROCEEDINGS

Due to severe budget cuts in the Lishep, the Proceedings will be no more done with Acta Physica Polonica, as announced before.

We are now planning to use the eConf (Electronic Conference Proceedings Archive) of Slac. For more details, see <u>http://www.slac.stanford.edu/econf/</u>

Therefore, each author should create his ArXiv file, using LaTex, containing his full contribution for the Proceedings and then contact the editor Francisco Caruso by email at <u>francisco.caruso@gmail.com</u>

Papers should be submitted until 1st May.



LISHEP2013 Workshop on High Energy Physics in the near Future

SATURDAY, Mars 23, 2013



We will do a Tour in Rio stopping on the old historical Streets of the old Rio de Janeiro – Capital of Brazil. Please see the program in our webpage.

It is absolutely necessary to do registration for this TOUR. We need to have a minimum of 15 persons. We have to decide today with the Tourism Agency

On the hall of the conferences we have people from a Tourism Agency. There are two different tours:

a) Conference Tour: It is free for those having paid the fees

b) Tours offered by the Tourism Agency this is an extra offer mainly for people from family that would like to go away during the workshop.

Março 17-24

Alberto Santoro -LISHEP 2013



City Tours Date 23 March Visit the most beautiful tourist spots. **Door of Mengo Hotel - Departure time 9:30 am Return time 3:30 pm MAC - CONTEMPORARY ART MUSEUM** Price: adults - R\$ 5,00 / Students: R\$ 2,50 SANTA CRUZ FORTRESS Prices: adults R\$ 6,00 / Students (registered): R\$ 3,00 **Stop for Lunch XV** Square Lapa Arches



Number of Participants per Country Session C

Country (16)	2013	Country	2013
CERN (Switzerland)	3	Brasil	66
Colombia	6	Amazonas Rio de Janeiro Rio Grande do Sul São Paulo Juiz de Fora Bahia Ceará	1 52 2 5 3 1 2
France	6	Italy	6
Germany	5	Mexico	5
Puerto Rico	2	Chile	3
Israel	2	UK	2
Poland	3	Finland	1
Portugal	1		
Spain	2		
Ukraine	1		
USA	9		
TOTAL 123	40		83







Have a good Session C – LISHEP2013