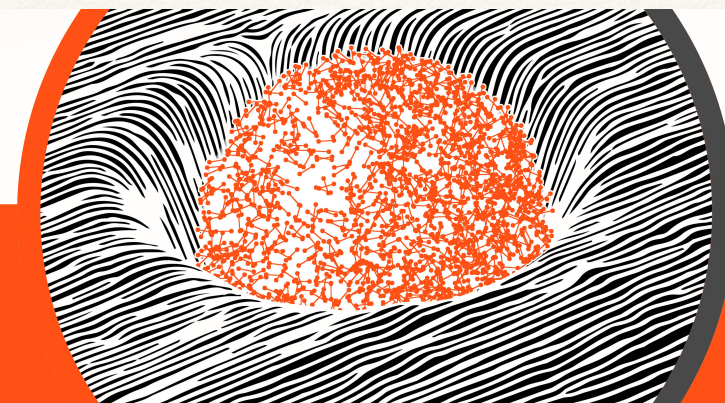


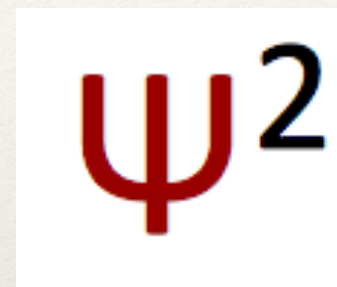


ElectroWeak **W mass** Workshop

October 2-6, 2017 LAL-Orsay, France



Bruno Mazoyer - LAL Orsay 2017



<http://wpsist.lal.in2p3.fr/electroweakworkshop>

F. Balli (CEA Saclay, IRFU) on behalf of the organisers

Introduction

Precision electroweak
measurements at LHC
October 2017

A few words on the université Paris XI

- ❖ Created in 1971, is now a big scientific pole of the Paris area
- ❖ Earlier developments by Frédéric and Irène Joliot-Curie in the 1950s (IPN d'Orsay, then LAL)
- ❖ Several Nobel prizes and Fields medals associated to university : Albert Fert, Pierre-Gilles de Gennes, Jean-Christophe Yoccoz, Laurent Lafforgue, Ngô Bảo Châu, Wendelin Werner
- ❖ A few numbers :
 - ❖ 3 000 researchers
 - ❖ 3 200 engineers, technical and administrative staff
 - ❖ 80 employees at Bibliothèque Universitaire (library)
 - ❖ ~30 000 students
 - ❖ has 14 doctoral schools (is associated to 5 other)
 - ❖ ~500 theses defended per year



Practical details

- ❖ 2 wifi networks available : LAL-public and eduroam
- ❖ Lunch food : university restaurant price is ~12 euros
- ❖ Boulangeries, small shops in City center
- ❖ Conference dinner tonight will be entirely covered by the workshop
 - ❖ Restaurant Le Loubnane (Lebanese food), 15 rue Lagrange, Paris, be there at 8pm

- ❖ Next to Saint-Michel RER station (line B)
- ❖ Next to Notre-Dame
- ❖ Tel. numbers in case you need something :
 - F. Balli : +33 7 68 34 67 19
 - L. Fayard : +33 6 82 97 48 86



Agenda

THURSDAY, 5 OCTOBER

09:30 → 09:45	2nd session welcome	⌚ 15m	
Speakers: Fabrice Balli (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR)) , Louis Fayard (Lab. de l'Accelérateur Lineaire (IN2P3) (LAL)-Universite de Pari) , Louis Fayard (Universite de Paris-Sud 11 (FR))			
09:45 → 10:15	Introduction	⌚ 30m	
Speakers: Alessandro Vicini (Università degli Studi e INFN Milano (IT)) , Alessandro Vicini (University of Milano) , Josh Bendavid (CERN) , Maarten Boonekamp (CEA/Saclay) , Maarten Boonekamp (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))			
10:15 → 10:35	coffee break	⌚ 20m	
10:35 → 11:05	Status of pTW modelling	⌚ 30m	
Speakers: Frank Tackmann (Deutsches Elektronen-Synchrotron (DE)) , Frank Tackmann , Giancarlo Ferrera (University of Milan) , Giancarlo Ferrera (University of Florence) , Massimiliano Grazzini (Universitaet Zuerich (CH)) , Stefano Camarda (CERN)			
11:05 → 12:05	Direct measurement of pT(W)	⌚ 1h	
Speakers: Aram Apyan (Illinois Institute of Technology) , Aram Apyan (Fermi National Accelerator Lab. (US)) , Armen Apyan , Ludovica Aperio Bella (CERN)			
12:05 → 12:35	Theoretical predictions for angular coefficients in Z	⌚ 30m	
Speaker: Rhorry Gauld (IPPP Durham University)			
12:35 → 14:30	lunch break	⌚ 1h 55m	
14:30 → 15:10	Weak mixing angle measurement (CMS)	⌚ 40m	
Speakers: Aleko Khukhunaishvili (University of Rochester (US)) , Aleko Khukhunaishvili (University of Rochester (US))			
15:10 → 15:40	LHCb precision EW physics	⌚ 30m	
Speaker: Olli Lupton (CERN)			
15:40 → 16:10	EW corrections in Powheg-EW	⌚ 30m	
Speaker: Fulvio Piccinini (Universita e INFN, Pavia (IT))			
16:10 → 16:30	coffee break	⌚ 20m	

16:30 → 17:00	EW Corrections in a Hadronic MC for Z	⌚ 30m	
Speakers: Scott Alan Yost (The Citadel - The Military College of South Carolina (US)) , Scott Yost (The Citadel)			
17:00 → 18:30	discussion	⌚ 1h 30m	
19:30 → 22:30	Dinner	⌚ 3h	

FRIDAY, 6 OCTOBER

10:00 → 10:30	Rapidity and helicity distributions of W at the LHC	⌚ 30m	
Speaker: Elisabetta Manca (INFN Sezione di Pisa, Universita' e Scuola Normale Superiore, P)			
10:30 → 11:00	coffee break	⌚ 30m	
11:00 → 12:10	Overflow	⌚ 1h 10m	
12:10 → 12:30	Closing remarks	⌚ 20m	

❖ The agenda includes summary talks from the 1st session (Monday to Wednesday)

❖ pTW modeling

❖ higher order EW