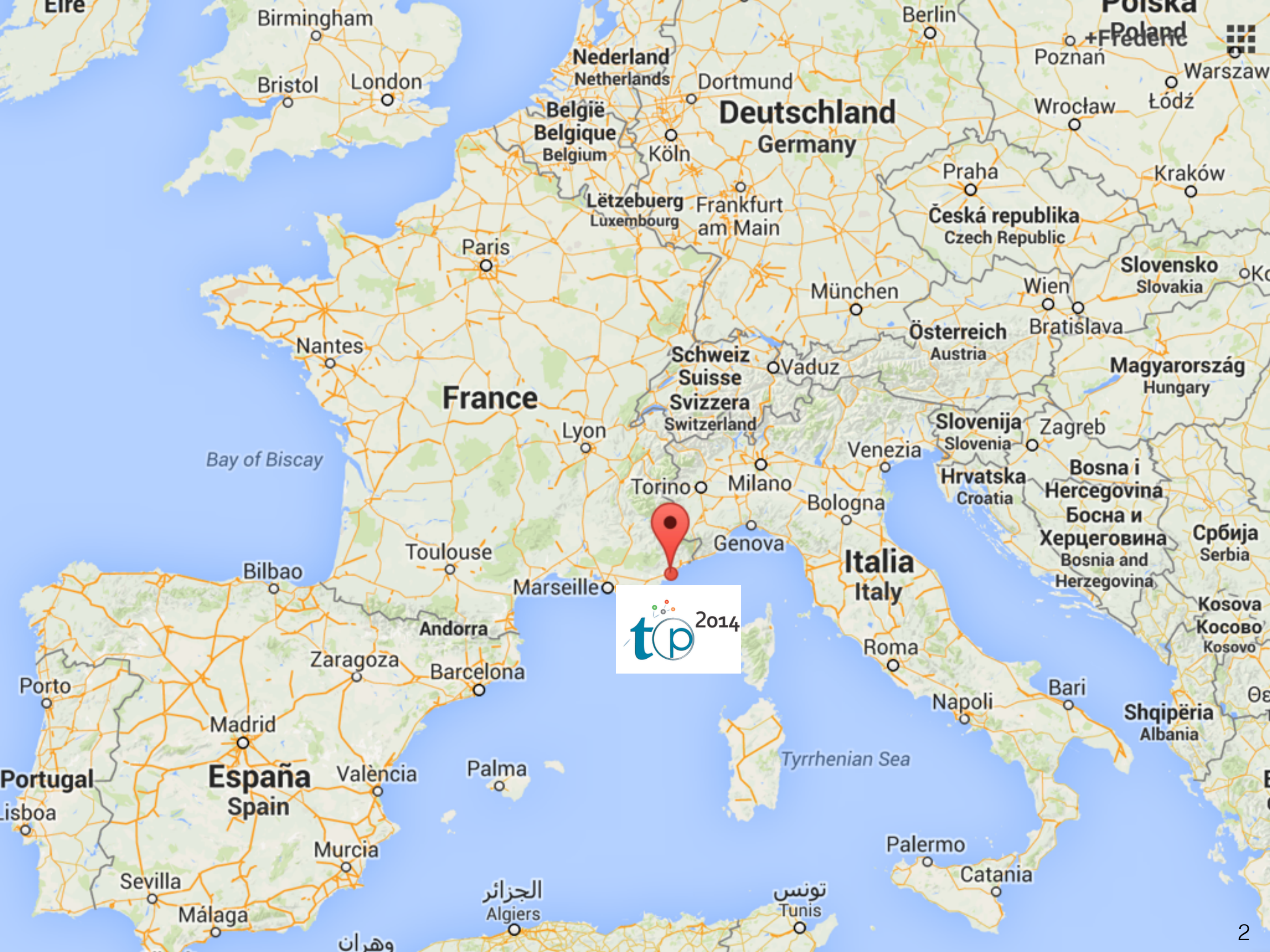


Welcome



TOP 2014 - 7th International Workshop on Top-Quark Physics
Sunday 28 September - Friday 03 October 2014
Cannes, France



Top2014: organized by all french institutes working on top physics



Local organizing committee

at the conference

Jeremy Andrea (IPHC)

Philippe Briet (CEA)

Matteo Cacciari (LPTHE)

Roberto Chierici (IPNL)

Frédéric Déliot (CEA, chair)

Frédéric Derue (LPNHE)

Arnaud Lucotte (LPSC)

Dominique Pallin (LPC)

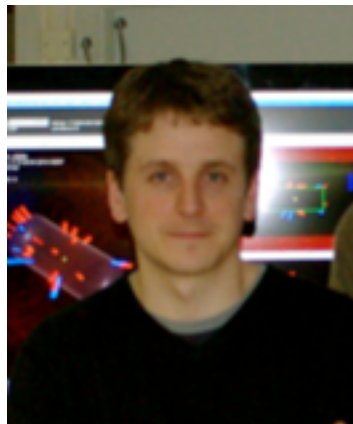
Mossadek Talby (CPPM)



Philippe Briet



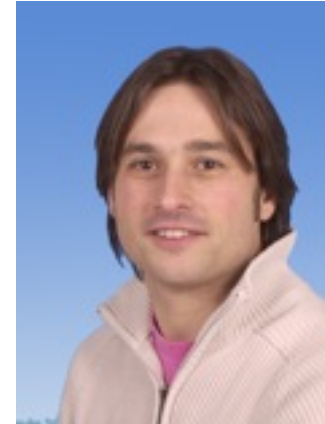
Sophie Cavata



Jeremy Andrea



Roberto Chierici



Frédéric Déliot



Dominique Pallin

contacts:

- top2014-l@in2p3.fr

- residence reception: +33 4 92 97 72 00

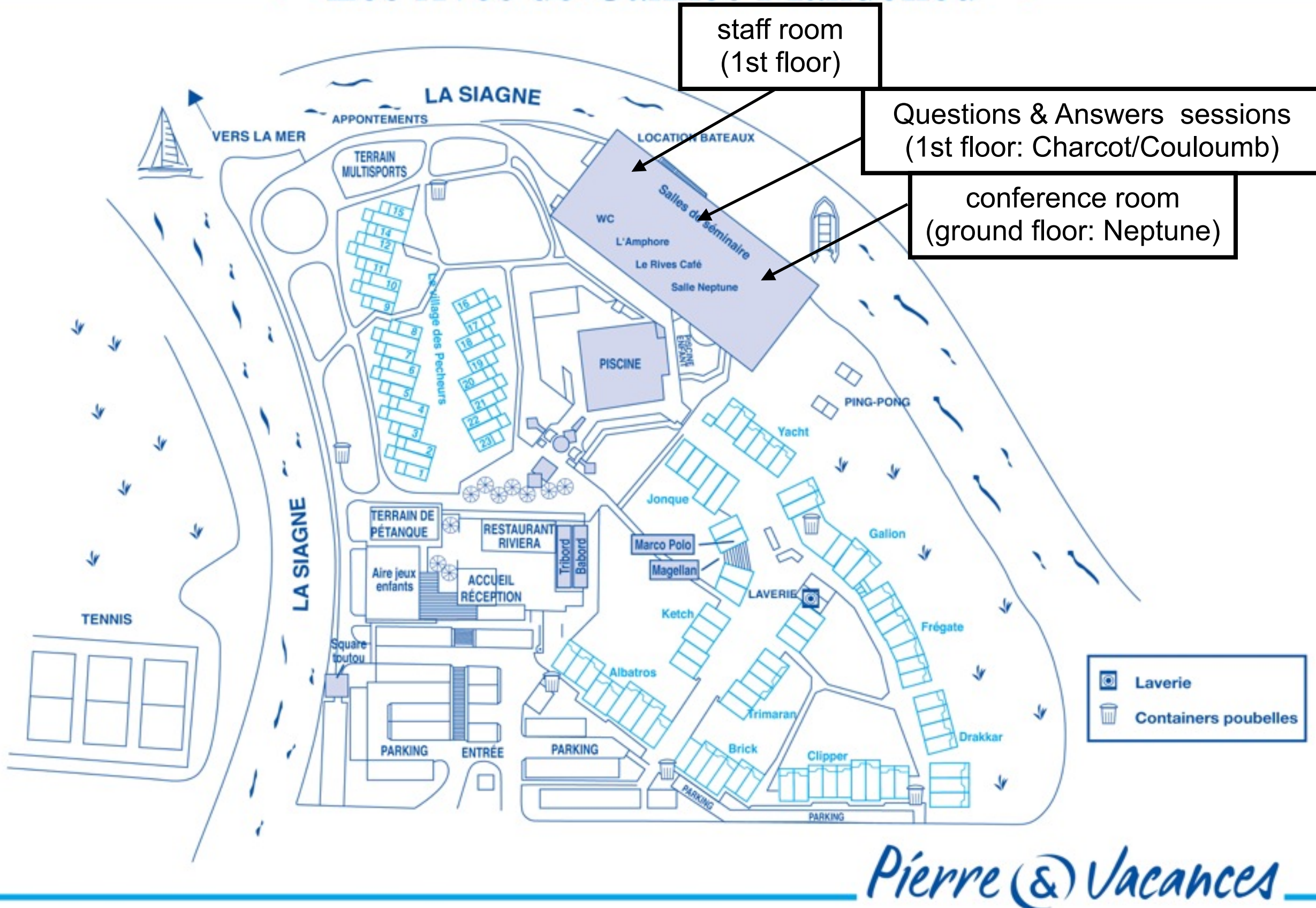
Session location

“Les rives de Cannes Mandelieu”

staff room
(1st floor)

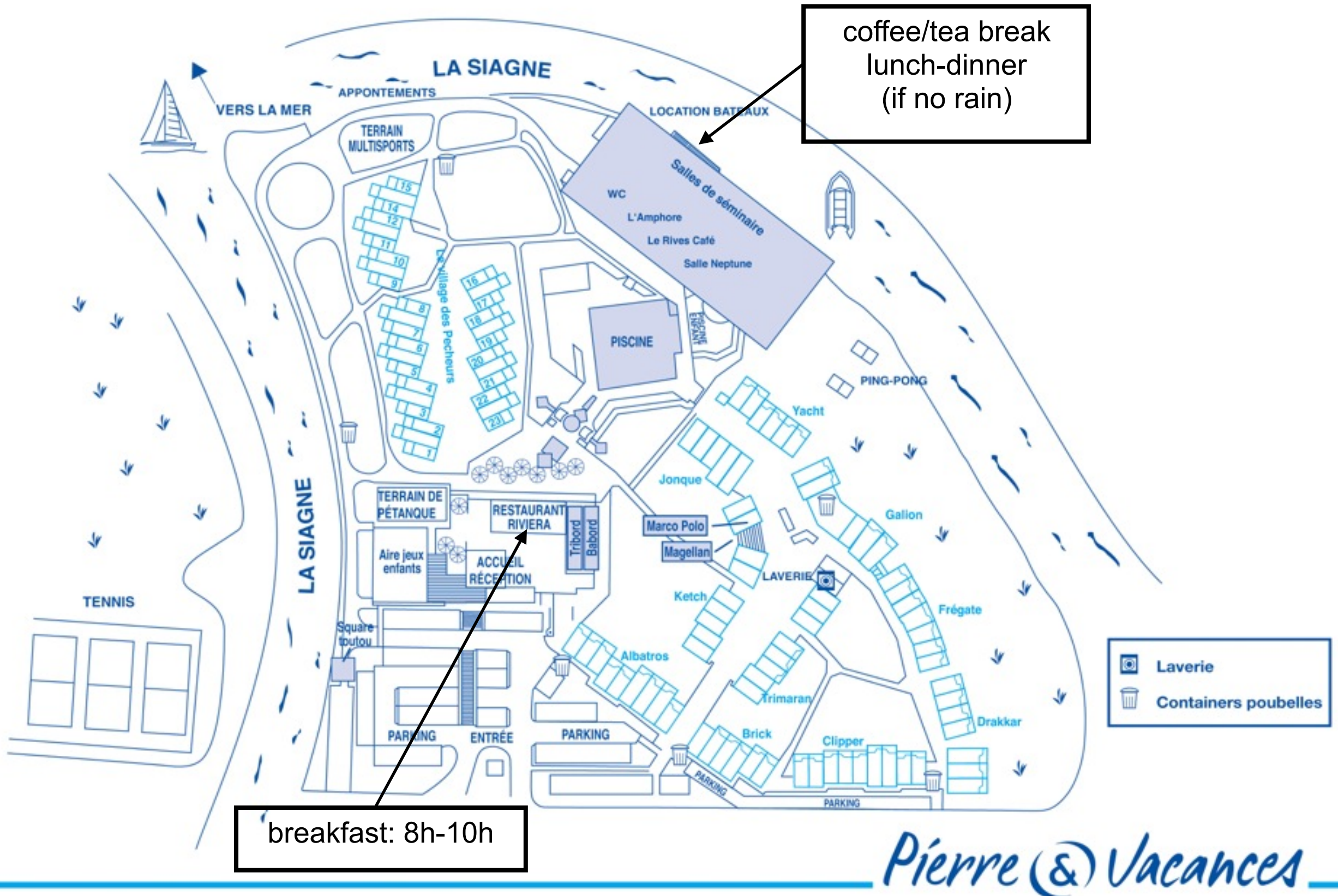
Questions & Answers sessions
(1st floor: Charcot/Couloumb)

conference room
(ground floor: Neptune)



Meals

“Les rives de Cannes Mandelieu”



Activities

“Les rives de Cannes Mandelieu”

swimming pool
9h-19h

other activities:

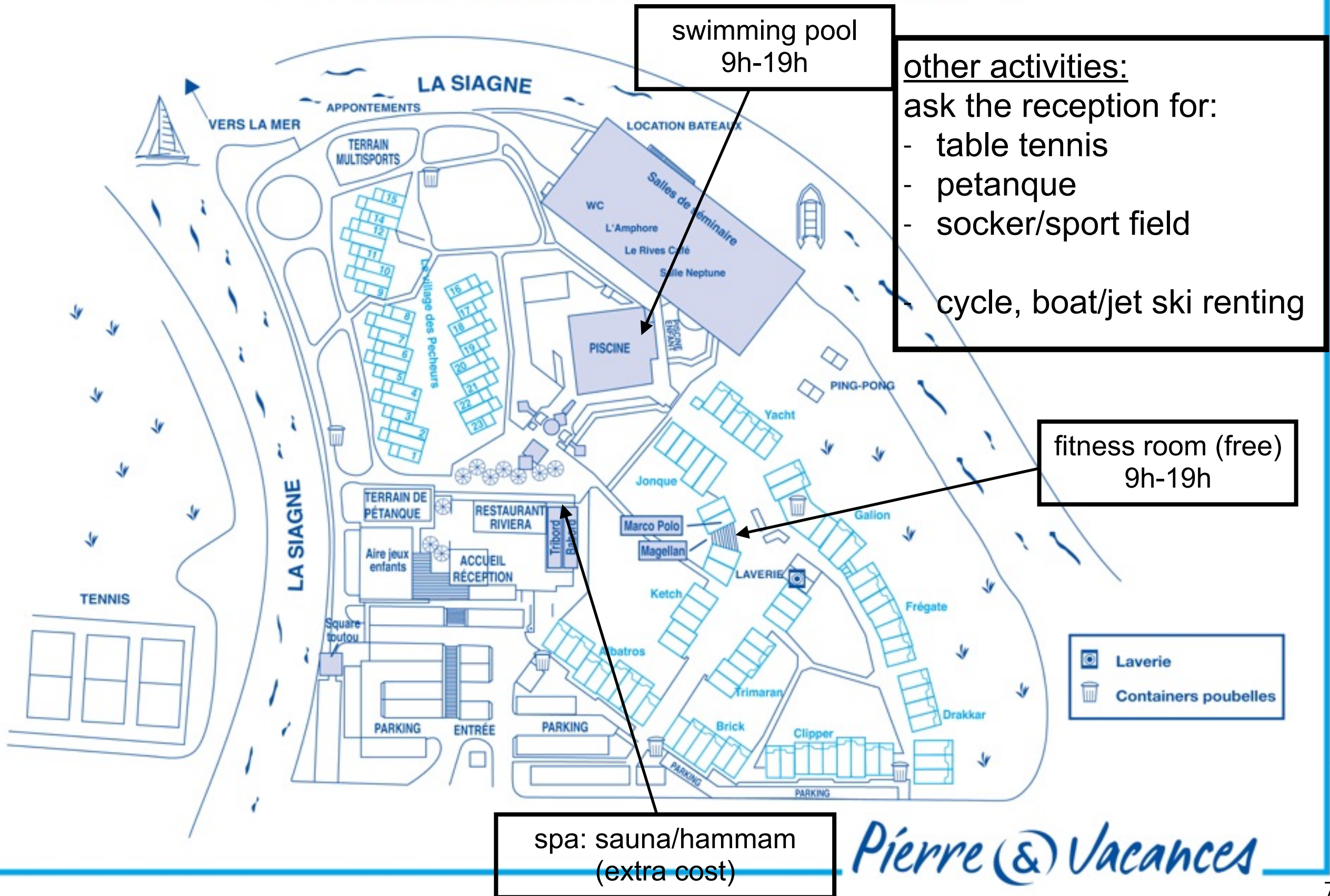
ask the reception for:

- table tennis
- petanque
- socker/sport field

cycle, boat/jet ski renting

fitness room (free)
9h-19h

spa: sauna/hammam
(extra cost)



Pierre & Vacances

Program

Monday 29 September 2014

Session 1: Welcome and keynote (09:00-10:00)

Chair: Frederic Deliot

09:00 Welcome - Frederic Deliot

09:10 Theoretical Keynote - Frank KRAUSS

Coffee/tea break (10:00-10:30)

Session 2: ttbar cross section: theory and experimental results (10:30-12:00)

Chair: Varouhas Dimitris

10:30 Latest developments in generators and NNLO computations - Michal CZAKON

11:00 Inclusive top pair cross section results at the Tevatron - Elizaveta SHABALINA

11:30 Inclusive top pair cross section results at the LHC - Javier BROCHERO CIFUENTES

Lunch (12:00-14:00)

Session 3: single top cross section: theory and experimental results (14:00-16:00)

Chair: Timothée Theveneaux-Pelzer

14:00 Single top computations and generation tools - Fabrizio CAOLA

14:45 Single top measurements at the LHC - Abideh JAFARI

15:30 Single top measurements at the Tevatron - Manfredi RONZANI

Coffee/tea break (16:00-16:30)

Session 4: differential cross sections (16:30-18:30)

Chair: Julien Donini

16:30 Latest results on differential cross sections at the LHC and Tevatron (measurements as a function of kinematics variables) - Carmen DIEZ PARDOS

17:00 Latest results on differential cross sections at the LHC and Tevatron (measurements oriented to final state objects: gap fraction, vs njets, ...) - Judith

17:30 WbWb at NLO - Jan WINTER

18:00 Summary of theoretical workshop on differential distributions and recent developments - Alexander MITOV

Dinner (19:30-21:00)

Student Questions and Answers Session (21:00-22:30) - Roberto Chierici - Frederic Deliot

Tuesday 30 September 2014

Session 5: properties (spin, asymmetries) (09:00-10:50)

Chair: Jeremy Andrea

09:00 Top quark properties: a theoretical overview - Juan Antonio AGUILAR SAAVEDRA

09:40 Top quark properties at the Tevatron - Andreas JUNG

10:15 Top quark properties at the LHC - Richard HAWKINGS

10:50 Conference photo

Session 6: mass: theory and experimental results (11:30-12:40)

Chair: Frederic Deliot

11:30 Top mass standard reconstruction at the Tevatron - Slava SHARYY

12:00 Top mass standard reconstruction at the LHC - Eike SCHLIECKAU

Lunch (12:40-14:00)

Session 6': mass: theory and experimental results (14:00-14:30)

Chair: Roberto Chierici

(move to Wednesday) Top mass: interpretation and theoretical uncertainties - Andre HOANG

14:00 Top mass measurements: new techniques - Stefanie ADOMEIT

Session 7: combinations: tools, methods and systematic comparison (14:30-15:15)

Chair: Roberto Chierici

14:30 Experimental systematic uncertainties (and object reconstruction) on top physics - Maria COSTA

Coffee/tea break (15:15-15:45)

Session 7': combinations: tools, methods and systematic comparison (15:45-16:30)

Chair: Roberto Chierici

15:45 theoretical systematic uncertainties (and background modelling) on top physics - Markus SEIDEL

Poster session and reception (19:00-22:00) - résidence Pierre et Vacances

Wednesday 01 October 2014

Session 7'': combinations: tools, methods and systematic comparison (08:50-10:30)

Chair: Roberto Chierici

08:50 Excursion instructions - Frederic Deliot

09:00 Review of recent LHC combination - Giorgio CORTIANA

09:30 Review of recent Tevatron and world mass combinations - Yvonne PETERS

10:00 Top mass: interpretation and theoretical uncertainties (from Tuesday) - Andre HOANG

Coffee/tea break (10:30-10:50)

Session 8: boosted tops (10:50-12:35)

Chair: Sabine Crippé-Renaudin

10:50 Boosted top: tools overview and theoretical developments - Mihailo BACKOVIC

11:35 Boosted top: experimental tools overview - Emanuele USAI

12:05 Experimental results in the boosted regime - Johannes ERDMANN

Lunch (12:35-13:35)

Excursion (14:15-18:40)

Conference dinner - Pullman Cannes Mandelieu Royal Casino (20:00-23:00)

Thursday 02 October 2014

Session 9: properties and NP (09:00-10:45)

Chair: Jeremy Andrea

09:00 Experimental results on ttbar+W/Z/gamma and SM top couplings - Tamara VAZQUEZ SCHROEDER

09:30 Search for FCNC in top production and decays (including FCNC tHq) - Reza GOLDOUZIAN

10:00 Top couplings and new physics: theoretical overview and developments - Cen ZHANG

Coffee/tea break (10:45-11:15)

Session 10: top and Higgs (11:15-12:30)

Chair: Stephanie Beauceron

11:15 theoretical overview on t(t)H - Cédric DELAUNAY

11:55 Experimental searches for tH - Mark OWEN

12:30 Poster prize awarding

Lunch (12:45-14:00)

Session 10': top and Higgs (14:00-14:30)

Chair: Stephanie Beauceron

14:00 Experimental searches for tHq - Christian BÖSER

Session 11: top and SUSY/Exotics (14:30-15:50)

Chair: Samuel Calvet

14:30 Top and SUSY: a theoretical point of view - Yevgeny KATS

15:10 Experimental results on SUSY searches with top - Till EIFERT

Coffee/tea break (15:50-16:20)

Session 11': top and SUSY/Exotics (16:20-17:40)

Chair: Samuel Calvet

16:20 Top and exotic models: theoretical overview (not SUSY) - Qing-Hong CAO

17:00 Experimental results on top exotic searches (not SUSY) with top - Florencia CANELLI

Session 12: Perspectives (17:40-18:50)

Chair: Dominique Pallin

17:40 Perspectives for 13 TeV and HL-LHC in ATLAS and CMS - Pedro VIEIRA DE CASTRO FERREIRA DA SILVA

18:20 New generators (including future developments on EW correction to top) for the HL-LHC - Stefano POZZORINI

Dinner (19:30-21:00)

Student Questions and Answers Session (21:00-22:30) - Jeremy Andrea - Dominique Pallin

Friday 03 October 2014

Session 12': Perspectives (09:00-10:00)

Chair: Dominique Pallin

09:00 Perspective for top physics at the ILC - Frank SIMON

09:30 Perspective for top physics at the FCC - Benjamin FUKS

Organization of Top2015 (10:00-10:20)

10:00 organization of Top2015

Coffee/tea break (10:20-10:40)

Session 13: Summary (10:40-12:00)

Chair: Frederic Deliot

10:40 Theory summary - Tim M.P. TAIT

11:20 Experimental summary - Christian SCHWANENBERGER

Question & Answer Session

- goals
 - session dedicated to students and young postdocs
 - so that they can ask questions that they don't dare to ask during the regular sessions
- participation of the speakers from the previous sessions
 - highly appreciated so that they can answer student questions related to their talk
- two after dinner sessions : room Charcot/Coulomb (1st floor)
 - Monday 29th, 21h
 - Thursday 2nd, 21h



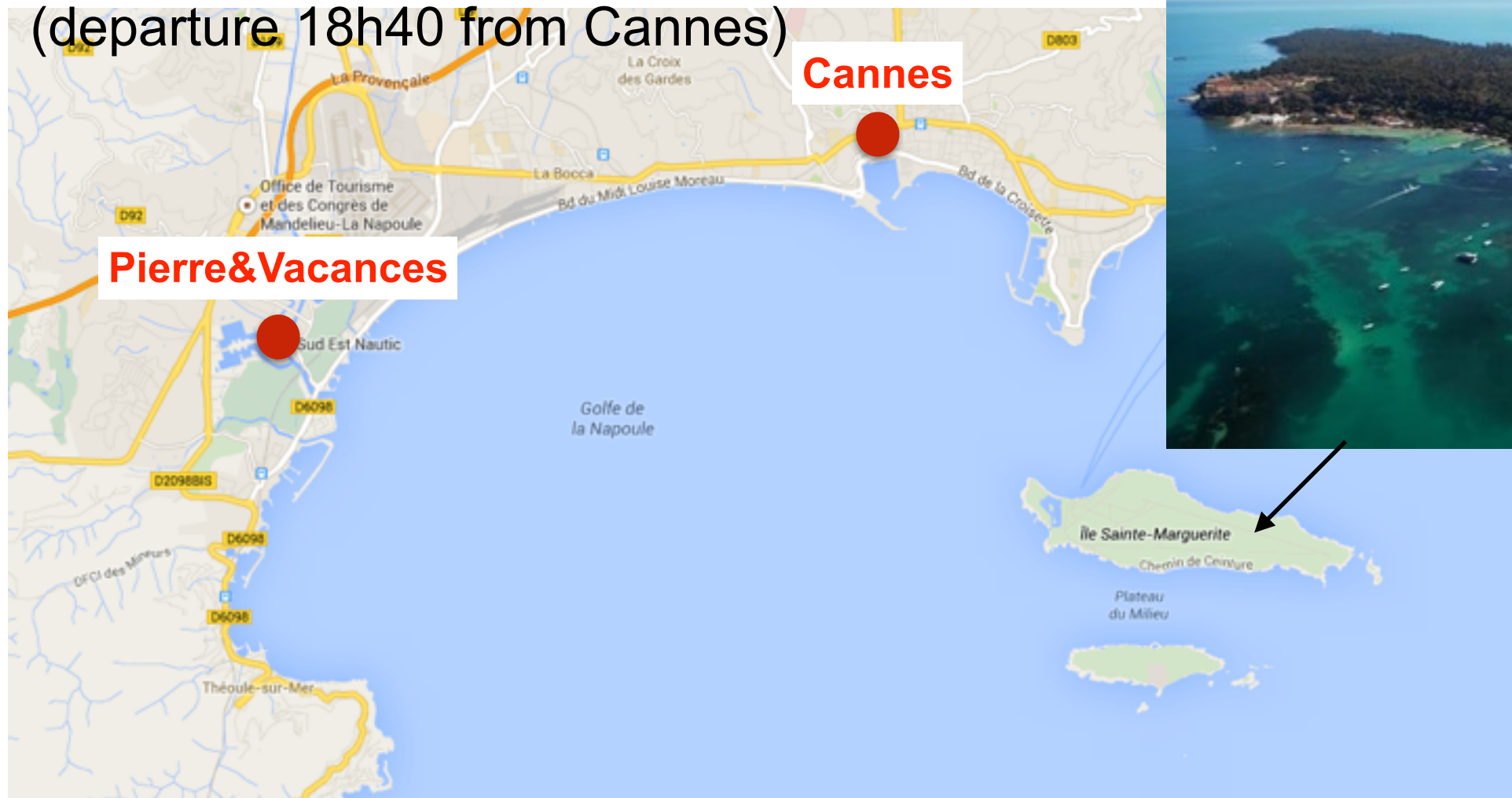
Poster Session

- where ?
 - on the conference pontoon
- when ?
 - Tuesday 30th, 19h
- what ?
 - poster display
 - dinner cocktail
- how ?
 - vote for your favorite posters (ballot paper will be provided)
 - best 3 poster awarding
 - prices announced on Thursday morning



Excursion

- Wednesday October 1st after lunch
- boat trip to the Lerins islands
 - departure at 14h15 from Mandelieu Harbour (25 min walk)
 - to Lerins island, stop at island Sainte Marguerite
 - landing in the Cannes harbour (around 17h)
 - free time at Cannes (1h30)
 - back to Pierre&Vacances by conference bus (departure 18h40 from Cannes)



Conference dinner

- Wednesday October 1st, 20h
 - Pullman Cannes Mandelieu Royal Casino
 - 15 min walk from Pierre&Vacances



Departure on Friday

- check-out time before 10am
 - luggages can be stored in the room Charcot/Coulomb
- lunch boxes will be provided
- shuttle schedules
 - will be announced on Tuesday
 - you will have to check if this is convenient for you

Proceedings

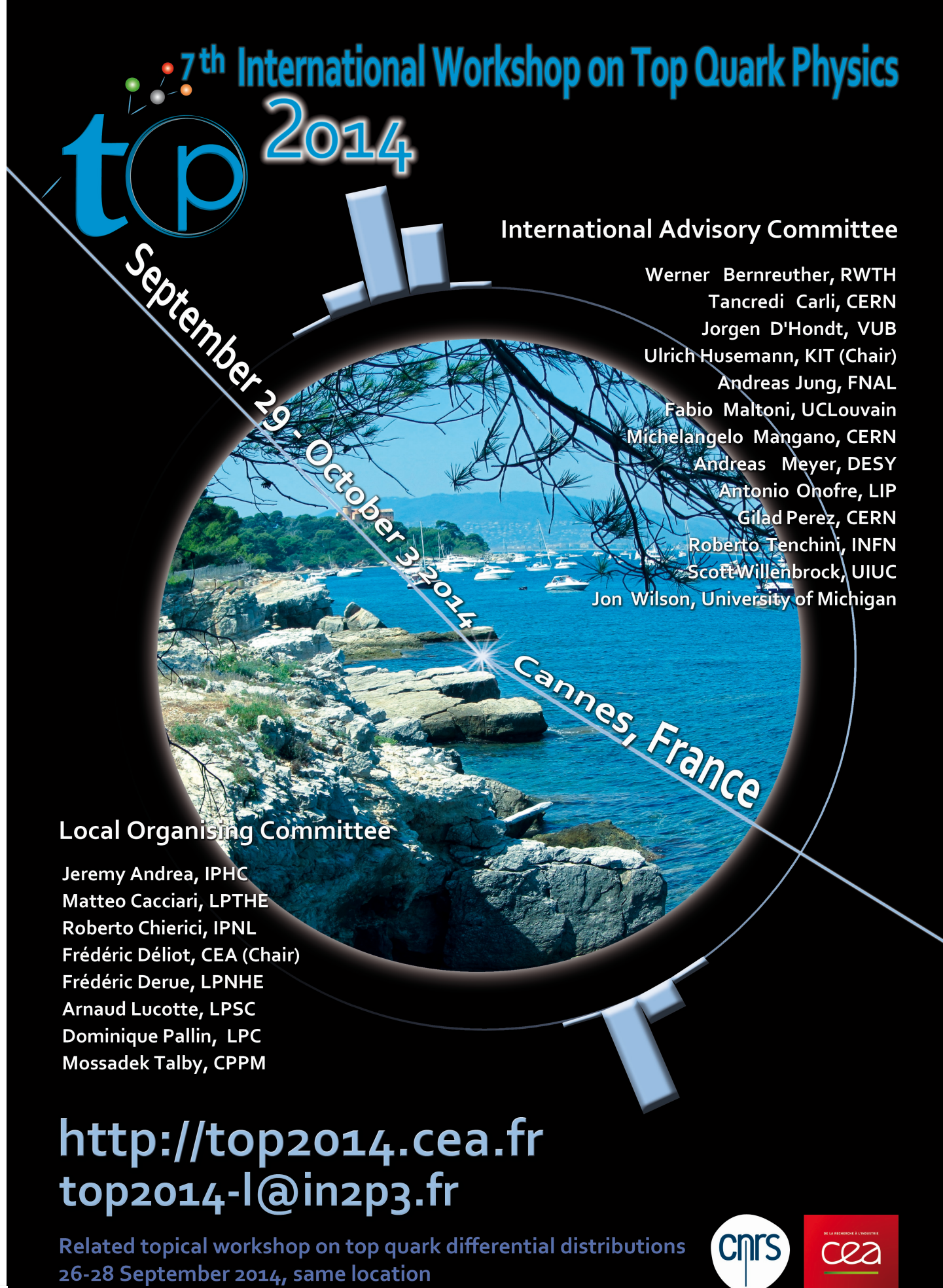
- proceedings of Top2014 will be published online on eCONF and HAL
- proceedings length
 - up to 8 pages for keynote and summary talks
 - up to 5 pages for regular talks (20 or 30 min)
 - up to 4 pages for poster authors.
- procedure
 - use the template on the conference website
 - submit your article to arXiv
 - send the link to: top2014-proc-l@in2p3.fr
- deadline
 - November 30th

Thanks to our Sponsors



Welcome

Let's have a productive
workshop !



The poster features a central circular image of a coastal scene in Cannes, France, with a rocky shore, blue water, and sailboats. The text is arranged around this central image. At the top, the title '7th International Workshop on Top Quark Physics' is in blue, with '2014' in large blue numbers. Below the title is the 'tp' logo. The dates 'September 29 - October 3, 2014' are written along a diagonal line. The location 'Cannes, France' is written along another diagonal line. The 'International Advisory Committee' and 'Local Organising Committee' lists are on the right and left respectively. At the bottom, the website 'http://top2014.cea.fr' and email 'top2014-l@in2p3.fr' are provided. Logos for CNRS and CEA are at the bottom right.

7th International Workshop on Top Quark Physics
2014

tp

September 29 - October 3, 2014

Cannes, France

International Advisory Committee

- Werner Bernreuther, RWTH
- Tancredi Carli, CERN
- Jorgen D'Hondt, VUB
- Ulrich Husemann, KIT (Chair)
- Andreas Jung, FNAL
- Fabio Maltoni, UCLouvain
- Michelangelo Mangano, CERN
- Andreas Meyer, DESY
- Antonio Ohofre, LIP
- Gilad Perez, CERN
- Roberto Tenchini, INFN
- Scott Willenbrock, UIUC
- Jon Wilson, University of Michigan

Local Organising Committee

- Jeremy Andrea, IPHC
- Matteo Cacciari, LPTHE
- Roberto Chierici, IPNL
- Frédéric Déliot, CEA (Chair)
- Frédéric Derue, LPNHE
- Arnaud Lucotte, LPSC
- Dominique Pallin, LPC
- Mossadek Talby, CPPM

<http://top2014.cea.fr>
top2014-l@in2p3.fr

Related topical workshop on top quark differential distributions
26-28 September 2014, same location

cnrs

cea