

## **Benasque 2016 workshop**

Higgs Tasting -- Higgs and flavor in the LHC Run 2 era

May 15-21, 2016

The workshop is in about one week and you'll find in this bulletin some practical information as well as an updated version of the programme.

1. If you haven't done it yet, you should confirm your participation with the Benasque secretaries as soon as possible (if your travel plans have changed, please let them know asap!).

2. We remind you that if you are planning to reach Benasque with the workshop bus, you need to book a seat with the secretaries.

3. The schedule will remain deliberately light and we are planning O(three) invited talks a day that should serve as seeds to lively discussions. In addition, we have identified some topics for specific discussions and we have asked some people to lead these discussions. The up-to-date timetable is attached below. You can also access it through the indico page where a copy of the talks will be uploaded.

4. The center offers plenty of office rooms and open space for informal discussions and collaborative work, which is the primary goal of this workshop.

The secretaries will be welcoming you at the center on Monday morning from 9am. Please stop by their office to pick up your folders and familiarize yourself with the center. The organized activities will start at 9:45am.

On the logistic side: (see the <http://benasque.org/2016higgs/> for details)

- The location where to catch the bus on Sunday May 15 is described under the section "Bus Transportation" on the webpage mentioned above.

- Aurelio will be on the bus and he will check that no one is missing. Please reach him at +34 654 329 909 in case of a problem.

- For those who have missed the bus, Christophe will leave Barcelona by car and can give a ride to Benasque to one or two more people. You can reach him at +49 152 551 79824.

- For those whose arrival has been delayed beyond 5pm: we have arranged for a taxi to bring in one participant on Monday morning (departure from Barcelona airport Terminal 2 around 10am) and more people can join that ride. Contact us, either by email or on one of the cell phone numbers above, in case you need to catch up this taxi.

A few days before the workshop starts, you'll receive a message from the secretaries with arrival information. In particular, you'll get a PIN code to enter the building outside office hours (including Sunday evening, in case you arrive early and want to stop by).

## BENASQUE 2016: TENTATIVE TIMETABLE

	Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20
9:45-10:00	<i>Welcome and Introduction</i>				
10:00-10:45	<b>Nir</b>	<b>Vega-Morales</b>	<b>Kopp</b>	<b>Owen</b>	<b>Gori</b>
11:00-11:30	<i>coffee break</i>				
11:30-12:15	<b>Qian</b>	<b>Zupan</b>	<b>Cepeda</b>	<b>Crivelin/Jaeger/Matias</b>	<b>Jafari</b>
12:30-13:00	discussion	discussion	discussion	discussion: B-anomalies (Chrzaszcz)	discussion
13:00-16:30	<i>lunch break + informal discussions</i>				
16:30-17:00	<i>coffee break</i>				
17:00-17:45	<b>Santiago</b>	<b>Stamou</b>	<b>Glenzinski</b>	<b>Baldes</b>	<b>Delaunay/Soreq</b>
18:00-19:00	contributed talks + discussion	discussion: new flavor tagger (Gross)	contributed talks discussion: diphoton & flavor (Gupta)	contributed talks + discussion	<i>Farewell drink</i>
19:00-21:00	<i>Welcome reception</i>				

<b>Review talks</b>	<b>BALDES</b>	Iason	Connections to cosmology
	<b>CEPEDA</b>	Maria	Flavor-violating Higgs coupling measurements at the LHC
	<b>CRIVELIN/JAEGER/MATIAS</b>	Andreas/Sebastian/Quim	B physics anomalies
	<b>DELAUNAY/SOREQ</b>	Cedric/Yotam	Probes with atomic physics
	<b>GLENZINSKI</b>	Douglas	Searches for lepton-flavor violation
	<b>GORI</b>	Stefania	Searches for an extended Higgs sector at the LHC (th)
	<b>JAFARI</b>	Abideh	Searches for an extended Higgs sector at the LHC (exp)
	<b>KOPP</b>	Joachim	Flavor-violation in the Higgs sector in BSM theories
	<b>NIR</b>	Yossi	Overview talk
	<b>OWEN</b>	Patrick	Indications for flavor violation in B decays
	<b>QIAN</b>	Jianming	Flavor-conserving Higgs coupling measurements at the LHC
	<b>SANTIAGO</b>	Jose	Use of EFTs at LHC
	<b>STAMOU</b>	Emmanuel	Exclusive and inclusive Higgs decays to measure couplings to light quarks
	<b>VEGA-MORALES</b>	Roberto	Probing CP violation in the Higgs sector (direct measurements)
<b>ZUPAN</b>	Jure	Probing CP violation in the Higgs sector (EDMs, CP etc)	

<b>Discussions</b>	<b>GERBAUDO/GUPTA</b>	Davide/Rick	Diphoton excess and flavor
	<b>GROSS/SHLOMI/CID</b>	Eilam/Yonatan/Xabier	New flavor taggers + plans for h->cc/bb
	<b>CHRZASZCZ/??</b>	Marcin/??	B-anomalies

<b>Contributed talks</b>	<b>BHAATTACHERJEE</b>	Biplob	The Lepton Flavour Violating Decays of Higgs boson	Wednesday PM
	<b>HERRERO</b>	Juan	Higgs lepton flavor violation and connection to neutrino masses	Wednesday PM
	<b>KIM</b>	ChoongSun	Decay of $B^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ + "missing momentum" and 2HDM(II)	Thursday PM
	<b>LIU</b>	Tao	Flavor violating Higgs interactions: from collider to cosmic baryon asymmetry	Thursday PM
	<b>RAY</b>	Thirta Sankar	Loop induced Higgs couplings in non-minimal extra dimensional models	Monday PM