

First open meeting of the LHC Heavy Flavour WG

CERN, Nov 10 2015

The WG is a forum for

- the study of the experimental and theoretical systematics in the heavy flavour physics programme at the LHC. This includes production, decay and spectroscopy properties of heavy hadrons, quarkonium states and exotic hadrons, as well as decay properties of tau leptons.
- the definition of measurements and tools (MC generators, theory calculations,) required to address the systematics and carry out the physics programme
- the combination of the results of the experiments
- the presentation of the results in a way useful for the theoretical interpretation.

WG web page:

http://cern.ch/LPCC/index.php?page=hf_wg

To subscribe to the mailing list:

<http://simba3.web.cern.ch/simba3/SelfSubscription.aspx?groupName=lhc-hfwg>

The WG has closed meetings, restricted to the relevant members of the experiments, to discuss the issues related to the comparison and combination of the results, and will liaise with other groups (e.g. HFAG, Quarkonium WG) for matters regarding global combinations including the LHC data.

Subgroups will be formed to address specific topics or the combination of individual measurements

The WG has open meetings, to provide input to the WG studies, stimulate recommendations concerning theoretical issues, and present for discussion the results of the WG.

The WG members:

- ATLAS: A. Bevan and M. Smizanska
- CMS: K-F Chen and F. Palla
- LHCb: F. Dettori and V. Belyaev
- TH: G. Isidori and M. Mangano (LPCC contact)

The WG members:

- ATLAS: A. Bevan and M. Smizanska
- CMS: K-F Chen and F. Palla
- LHCb: F. Dettori and V. Belyaev
- TH: G. Isidori and M. Mangano (LPCC contact)

A contact person will be nominated by ALICE, for what concerns HF production

The WG members:

- ATLAS: A. Bevan and M. Smizanska
- CMS: K-F Chen and F. Palla
- LHCb: F. Dettori and V. Belyaev
- TH: G. Isidori and M. Mangano (LPCC contact)

A contact person will be nominated by ALICE, for what concerns HF production

The current subgroups (exptl conveners t.b.c.):

- Production properties, including fragmentation fractions, fragmentation functions, production polarization. Includes also associated production of gauge bosons and quarkonium states.*
- Spectroscopy and searches of new hadronic states
- Decay properties, including of the tau lepton
- Tools (includes MC generators, decay tables). *Not a forum for development, but to address MC systematics issues emerging from the comparisons/combinations*

* Associated production of vector bosons and open flavour is covered by the EW WG

The goals of this first open meeting:

- Review the current plans of the experiments in the various WG areas
- Collect input
- Start identifying topics for discussion within the subgroups

NB The afternoon session held in room 4-S-030
(in the basement of this building)