



Phys_f_416:
 A_{FB} asymmetry measurement
with the CMS detector (IV)

Today's lesson

Target:

- Putting everything together for your report

ssh login to your account

Login:

ssh -Y **yourname@lxpub.iihe.ac.be**

Password is: xxxxx

Now your pc is just a monitor: you are in fact using another remote pc!

SET ROOT:

source setter.sh

Recipe

Once you are sure of the codes: REMOVE THE BREAK STATEMENT !!!!

root -l

.L Analyzer_final.C++

Analyzer_final f

f.Loop() → to get the invariant mass spectra (gen and reco)

f.MakeAFBHistograms() → make the predictions (theory)

f.MakeCosThetaDistributions() → make cos(theta) measurements

f.MakeAFBPlots() → make AFB plots in all scenarios (AFB_graphs.root)

Have a look at the root file: AFB_graphs.root

Comparisons:

f.CompareAFB() → compare AFB measurements with predictions

You have the all three hours to finish everything: enjoy!

To download your plots

First have a look at them, with:

`display name_of_the_plot.eps`

If you like them, download them:

`scp username@lxpub.iihe.ac.be:~/path_to_the_plot.eps local_path`