
ATLAS Open Data analysis: Higgs decays to WW*

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Histogram Analyser: H to WW

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Histogram Analyser intro:

<http://opendata.atlas.cern/release/2020/documentation/visualization/index.html>

The game (full screen, zoom 67%)

<http://opendata.atlas.cern/histogram-analyser-02/>

or:

http://opendata.atlas.cern/release/2020/documentation/visualization/the_display_histograms_13TeV.html

Histogram Analyser understanding the result:

http://opendata.atlas.cern/release/2020/documentation/visualization/separate_signals_13TeV.html

Run the HWW analysis on your terminal

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1. Setup ROOT, some gcc version and git

2. Clone the repository:

git clone <https://github.com/atlas-outreach-data-tools/atlas-outreach-cpp-framework-13tev.git>

3. cd atlas-outreach-cpp-framework-13tev

4. execute the welcome script with option 1:

./welcome.sh

5. go to the analysis directory

cd Analysis/HWWAnalysis

6. execute the analysis script with options 0 and then 1 (use PROOF!):

./run.sh

7. go to the Plotting directory:

cd ../../Plotting

8. execute (and open) the plotting script with options 6 and 0:

./plotme.sh

9. Take a look at the plots in histograms/

