## Weekly report

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## Working status

## **VBF Higgs CP-mixing**

Sample:

Connected Run2 hgg derivation convenor

Go back to EVNT.root and create a TRUTH1 derivation by myself, and then apply ATLAS official simulation and reconstruction.

(still have bug here: It seems lake of some config parameter)

CP::TPileupReweighting... ERROR Unrecognised periodNumber: 345041

Hypo test:

2019/8/12

Roostat tutorial seems have no likelihood function value calculation demo.

How to define my own likelihood function (2 or even 3 dimension: OO,  $m_{\nu\nu}$ , BDT)

