Weekly report

FANGYI GUO

VBF HCP

Correction:

- Pseudo experiment: generate random numbers with PDF (~1M stat.).
- Asimov data: set Nevents exactly as PDF described.



VBF HCP

Debug in binfit method:

- I asked all OO bins shared 1 mu, which would fix the OO shape.
- debug: each bin has its own Nvbf. Plan to use different Nvbf[bins] for each dtilde, so that requiring same mu in all OO bins would be fine.

2D fit:

- DSCB(myy)*DSCB(OO) vs. DSCB(myy)*Hist(OO).
 - Use Asimov data (generated with PDF) instead of pseudo experiment to extract NLL.
 - $^\circ~$ In the model, Nvbf is float in dtilde/ fix to SM, corresponding to considering σ contribution or not.
 - Generate a set of pseudo experiment data, see if minimum NLL is a gaussian(Not finished).





VBF HCP

