

***hh* → *WWγγ***

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# Sys

- All Systematics
- Didn't added into
  - trigger, Lumi,  $h \rightarrow yy$ ,  $h \rightarrow WW$  (All), PDF, alpha, SCALE, Stat(SM BKG, SM hh BKG), WHGenerator (wh), EFT (SM hh BKG), SpuS (signal)
- All the others sys are added

# Expected limits

- mh260
  - Shape fitting
  - +2sigma: 24.0245
  - +1sigma: 17.0561
  - -1sigma: 8.55142
  - -2sigma: 6.36977
  - Median: 11.8678
  - Observed: 11.8753
- mh260
  - Number counting
  - +2sigma: 27.9317
  - +1sigma: 19.4905
  - -1sigma: 9.74654
  - -2sigma: 7.25999
  - Median: 13.5264
  - Observed: 13.5237

# Expected limits

- mh260
  - Shape fitting
  - +2sigma: 30.3136
  - +1sigma: 21.0225
  - -1sigma: 10.4477
  - -2sigma: 7.78227
  - Median: 14.4995
  - Observed: 14.5073
- mh260
  - Number counting
  - +2sigma: 27.9317
  - +1sigma: 19.4905
  - -1sigma: 9.74654
  - -2sigma: 7.25999
  - Median: 13.5264
  - Observed: 13.5237

**Yields are incorrect in input**

**End**