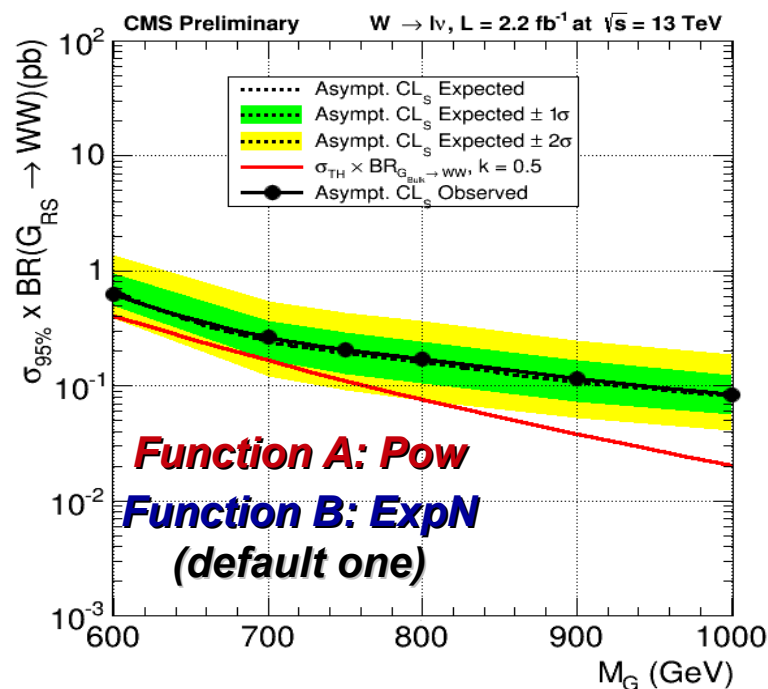
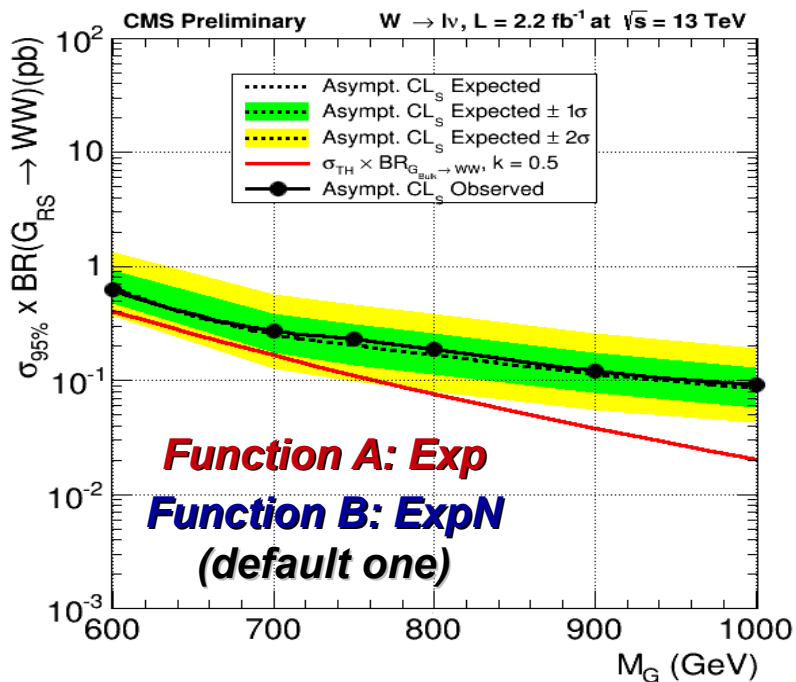


More on the bias studies

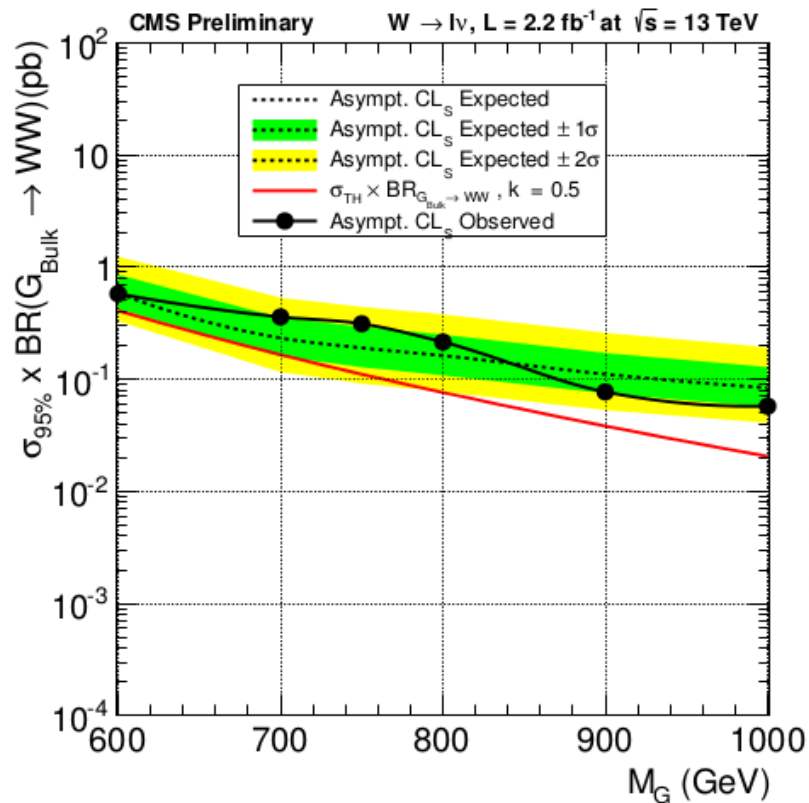
Cross-check the bias tests results on the limit

- Generate (for each mass point) 500 toys with **function A** (no signal injection)
- Fit each toy with **function B**
- From the sum of the toys, compute expected and observed limits



In both cases, the observed limit is very close to the expected one.

“Default” limit (with ExpN)



For comparison: the limit with the default function shown in the PAS. The expected limit is similar to the ones shown in the previous slide.