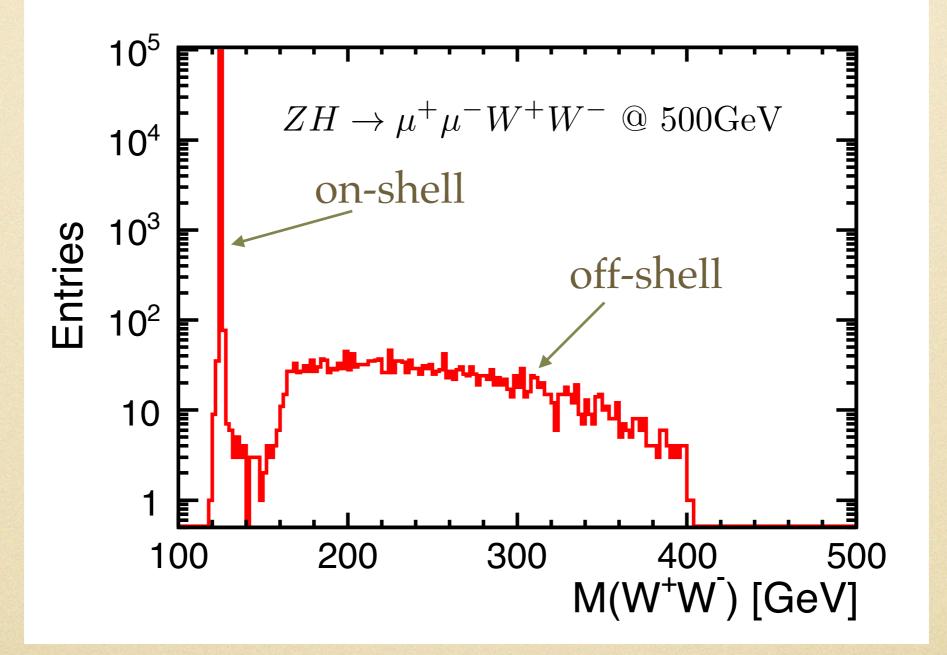
## a first look to the off-shell Higgs decay in ZH—>llWW

Junping Tian (KEK)

Asian Physics & Software Meeting, May 22, 2015

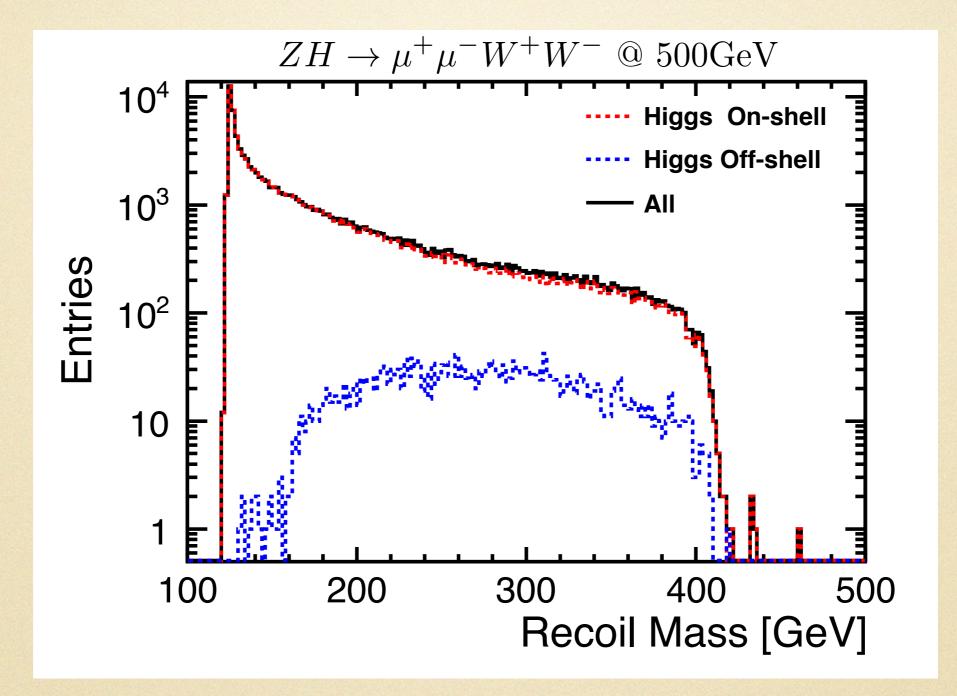
## how off-shell H\*—>WW contributes to recoil mass? generator by whizard: e2e2f1f2f3f4;

r: f1+f2~W+ && f3+f4~W- && f1+f2+f3+f4~H

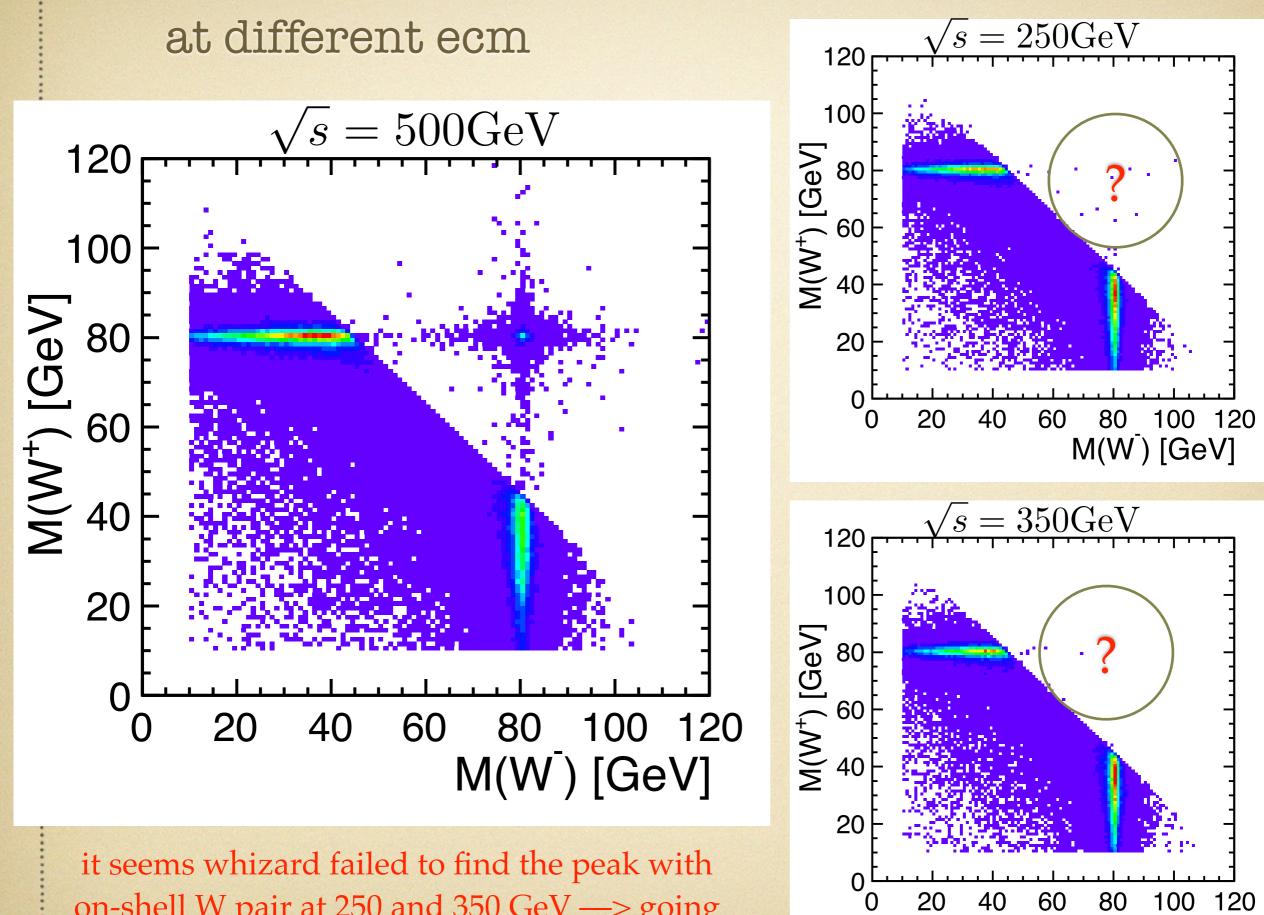


off-shell contribution ~ 3%

## how off-shell H\*->WW contributes to recoil mass?



in recoil mass, off-shell contribution is completely buried by the tail from beam-strahlung and ISR.



on-shell W pair at 250 and 350 GeV —> going to investigate why and how to resolve?

M(W) [GeV]