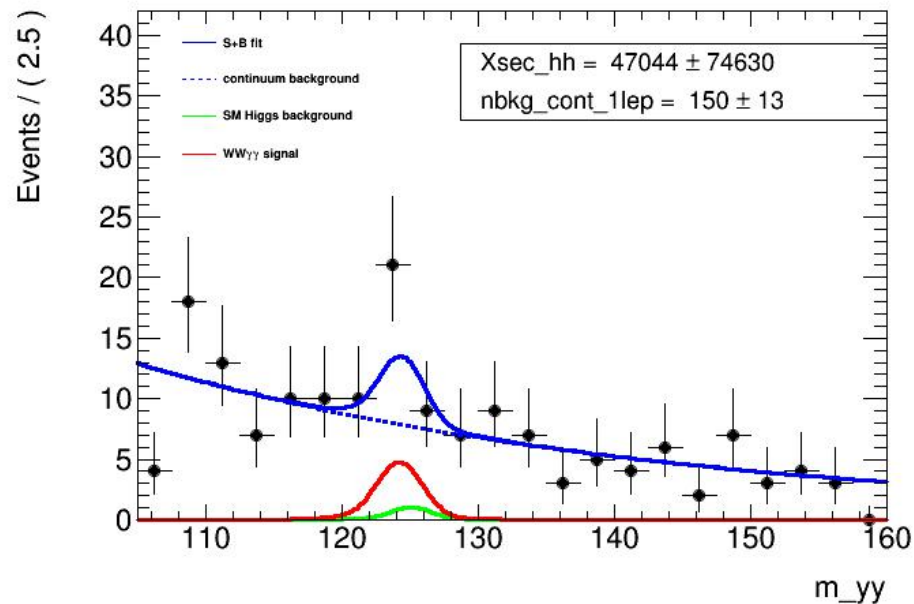
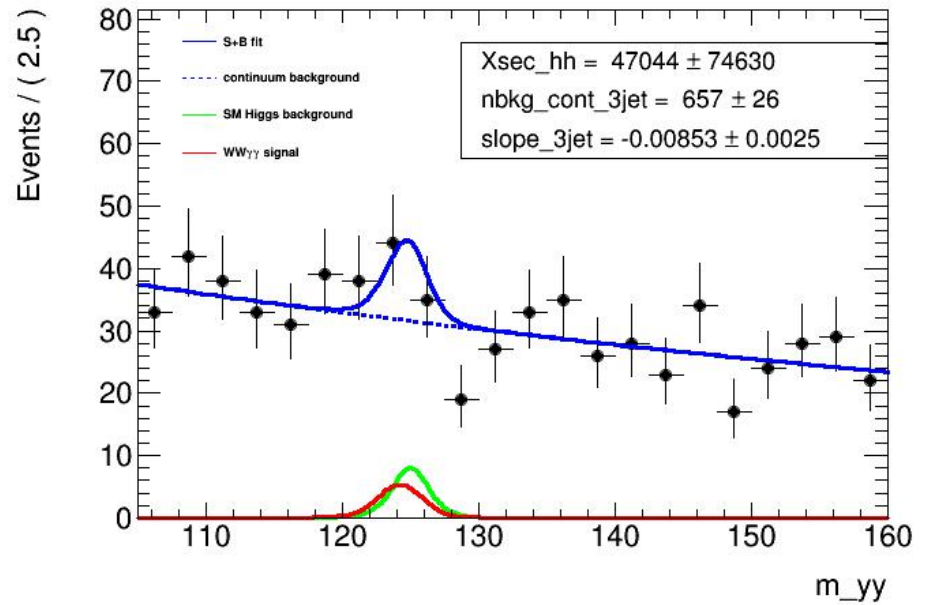
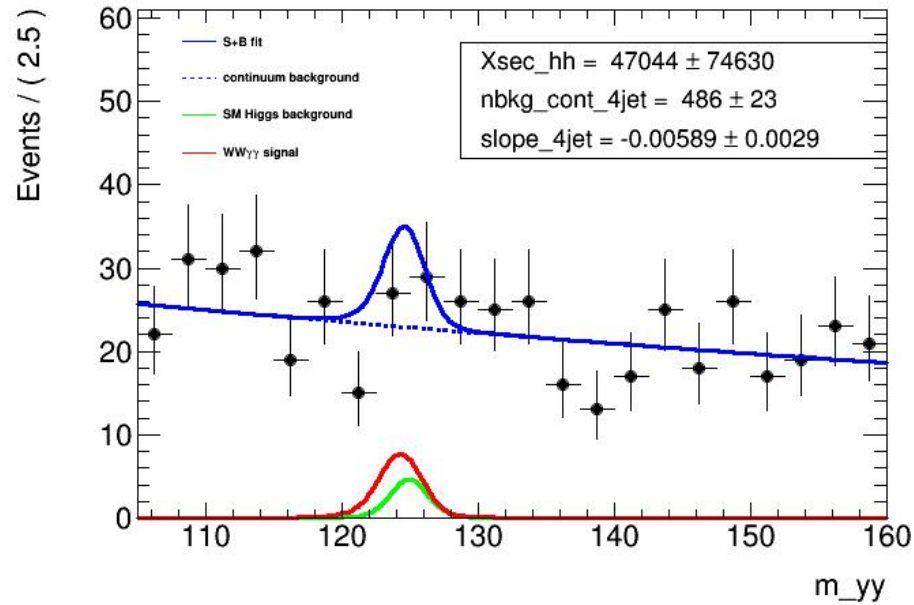


weekly report

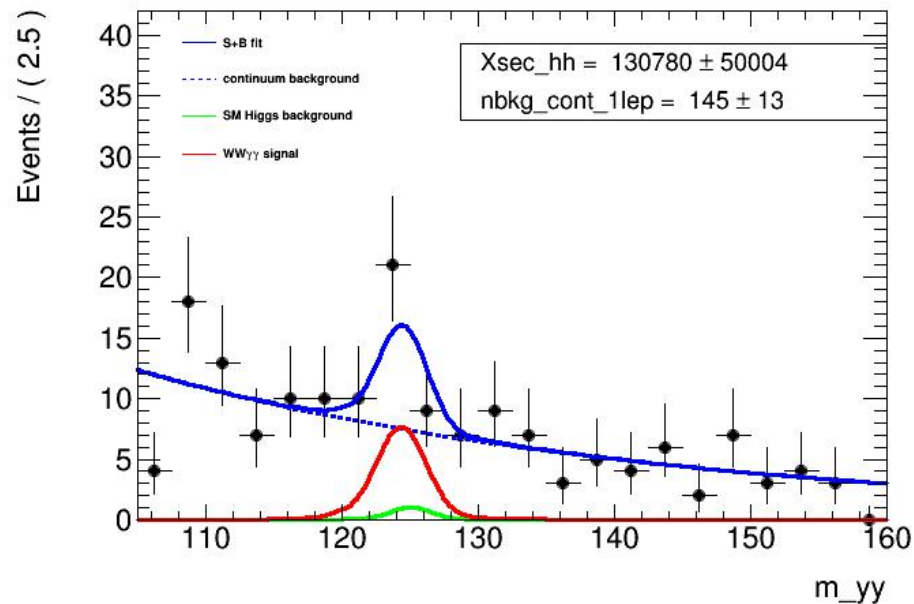
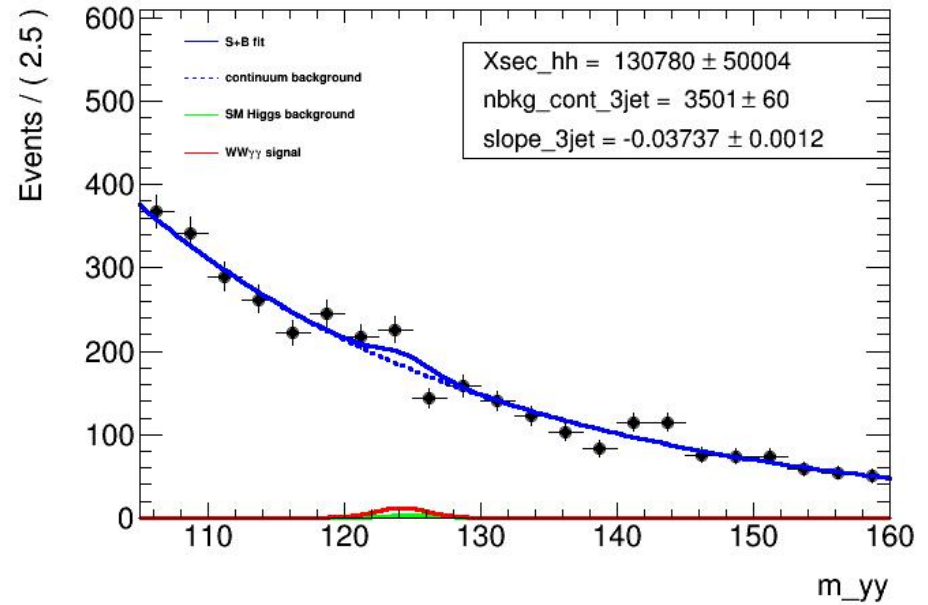
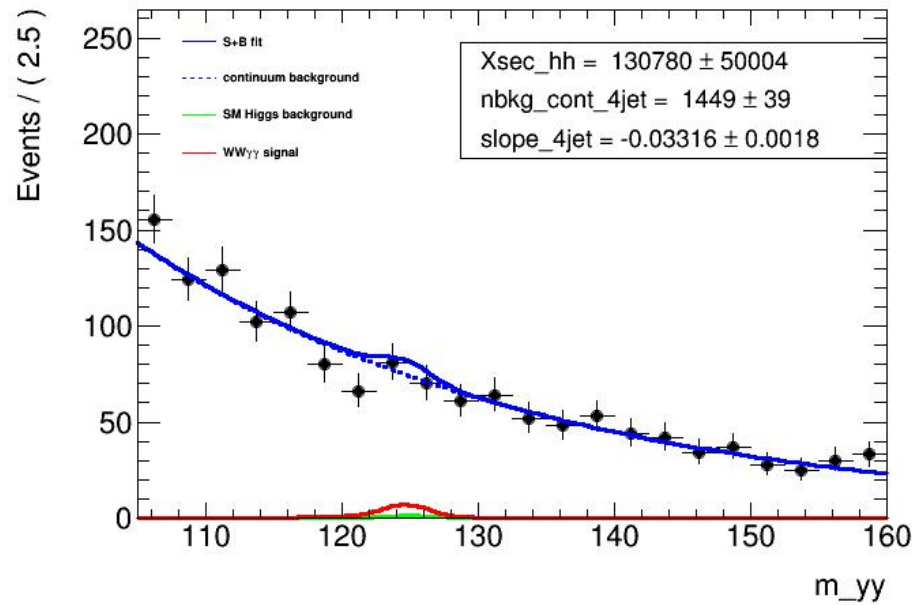
Yu Zhang

11.28

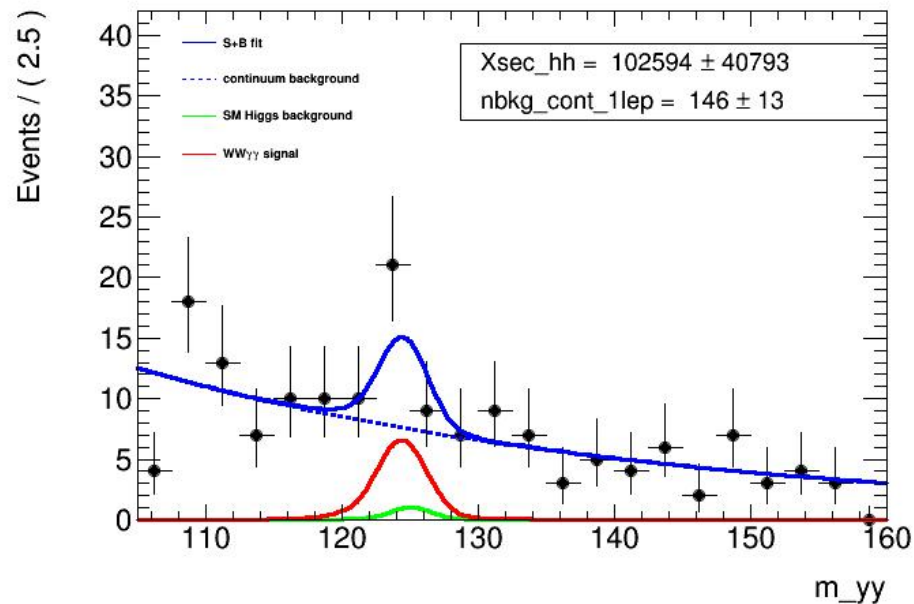
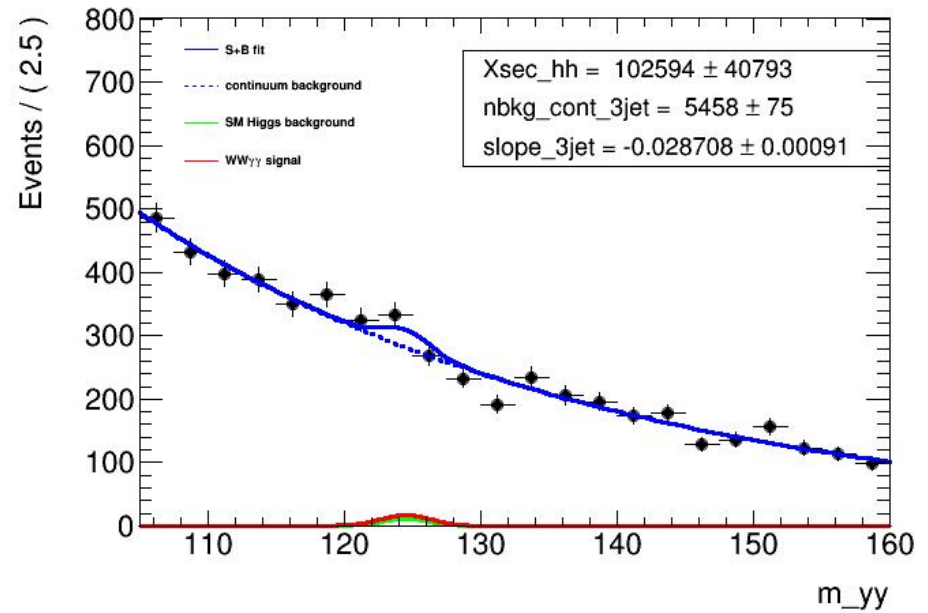
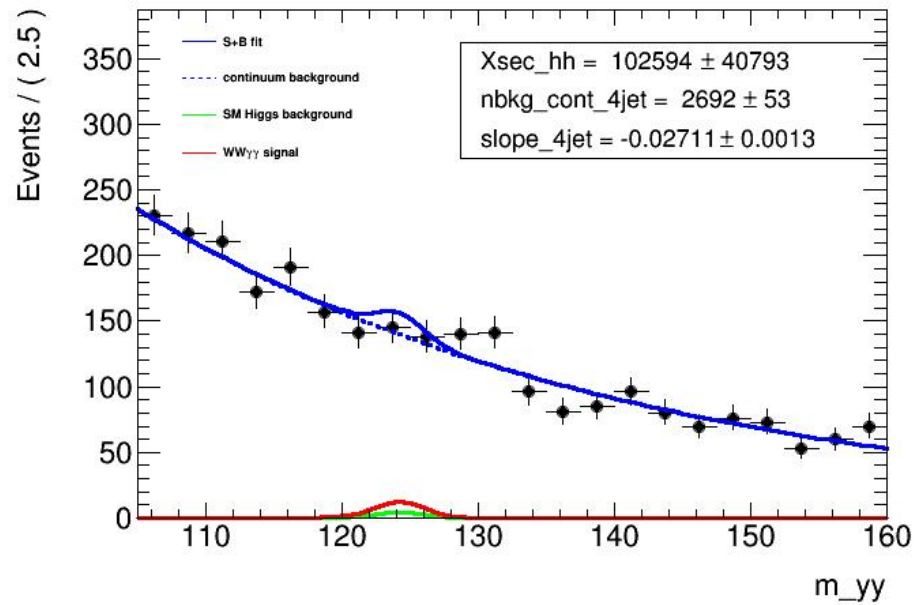
- **WWyy 1 lep**
 - **signal : Double-Sided CB**
 - **sm Higgs : Double-Sided CB**
 - **continuum : 2nd-exp, fix the paramter to 0-lep CR**
- **WWyy full hadronic**
 - **3jet and 4 jet category, mass window and pTyy cut**
 - **signal : Double-sided CB**
 - **sm Higgs : CB+GA**
 - **continuum : exp**
- **mh = 125 GeV**
- **Combine the 2 channels (3 categories)**
- **Significance calculation : asymptotic (RooStats : StandardHypoTestDemo)**
- **NO SYSTEMATIC**



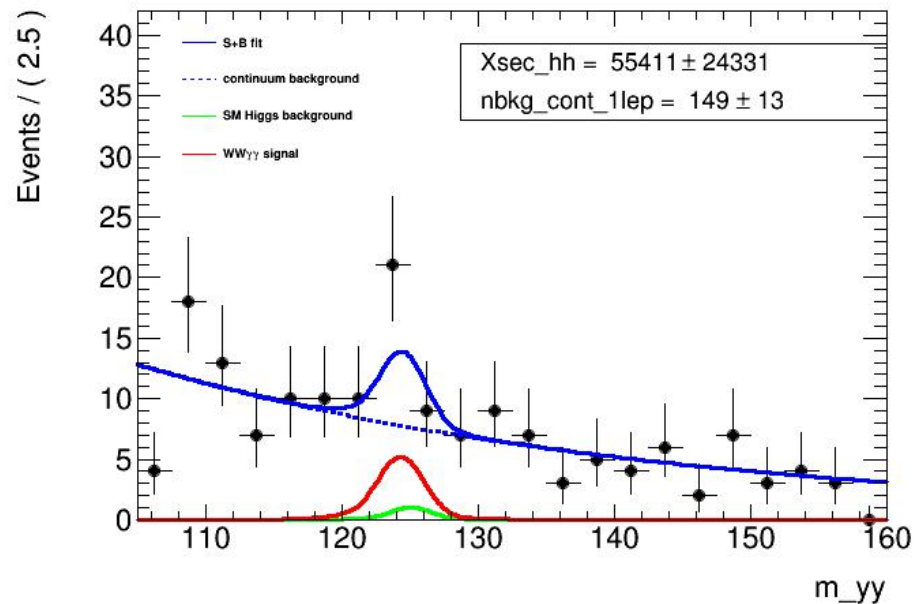
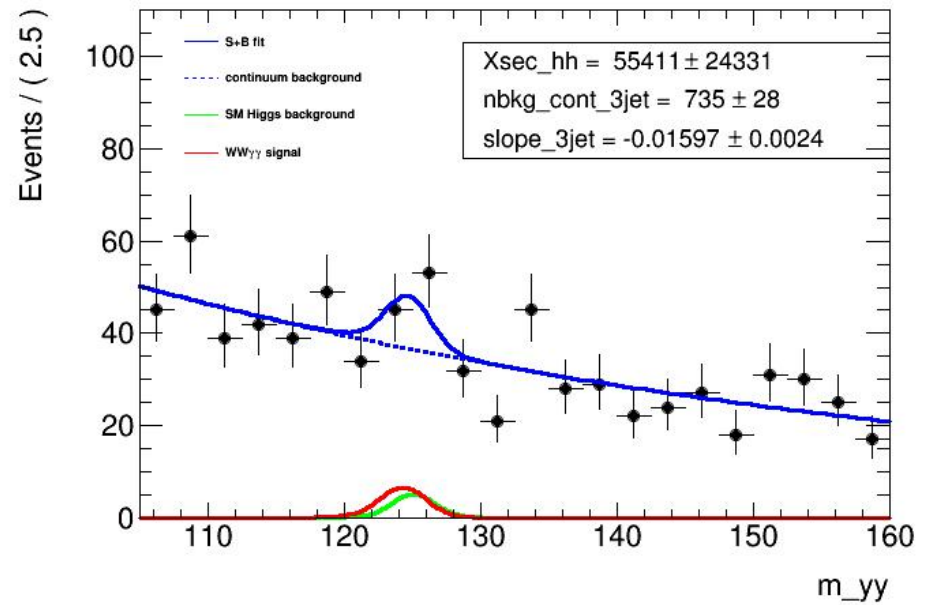
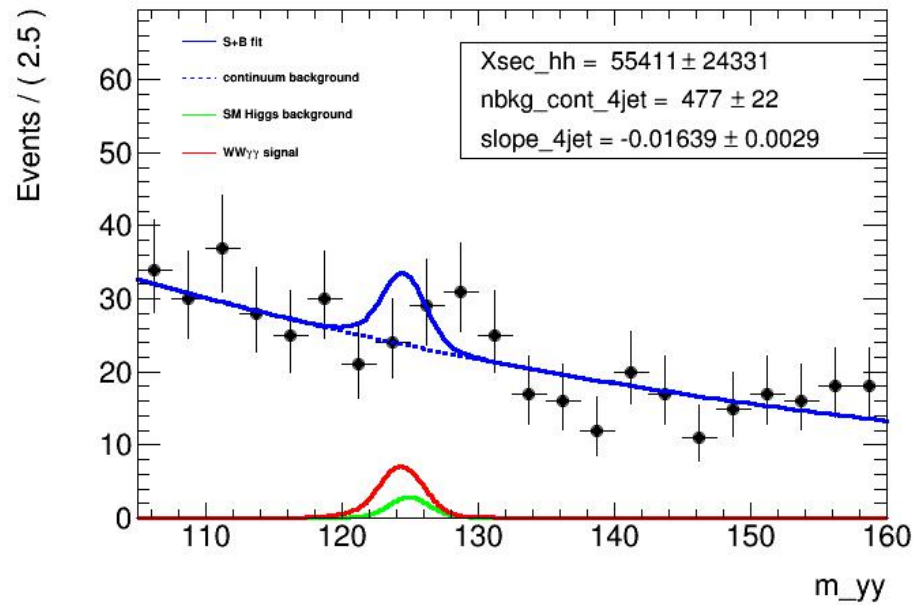
- **Observed significance**
➤ **2.3312**



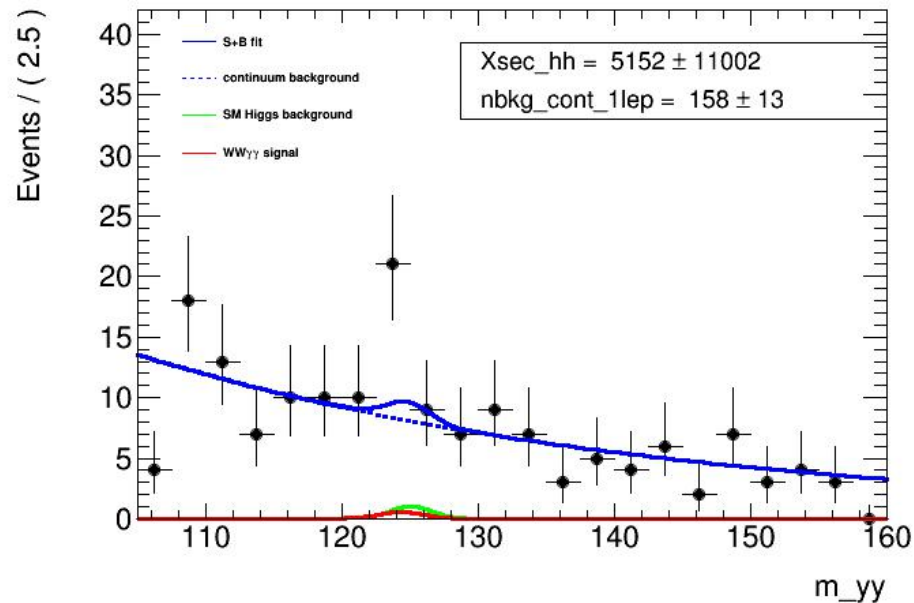
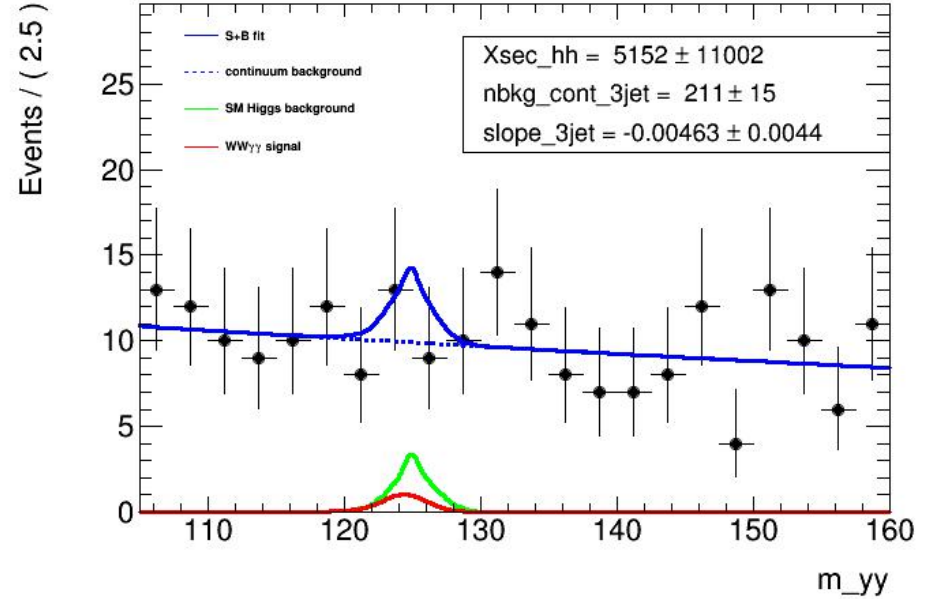
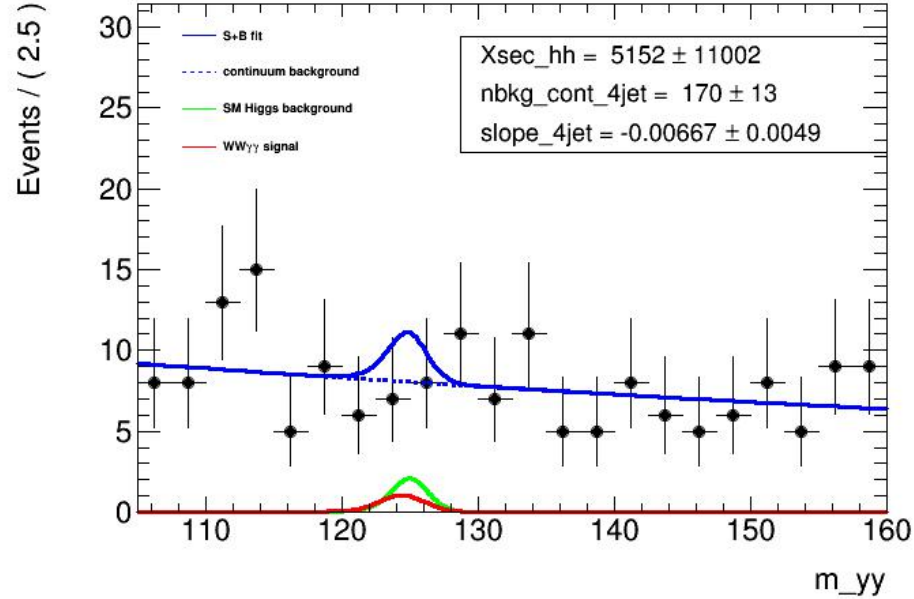
- **Observed significance**
 ➤ **2.86212**



- **Observed significance**
➤ **2.70833**



- **Observed significance**
 ➤ **2.44422**



- **Observed significance**
➤ **0.478573**