

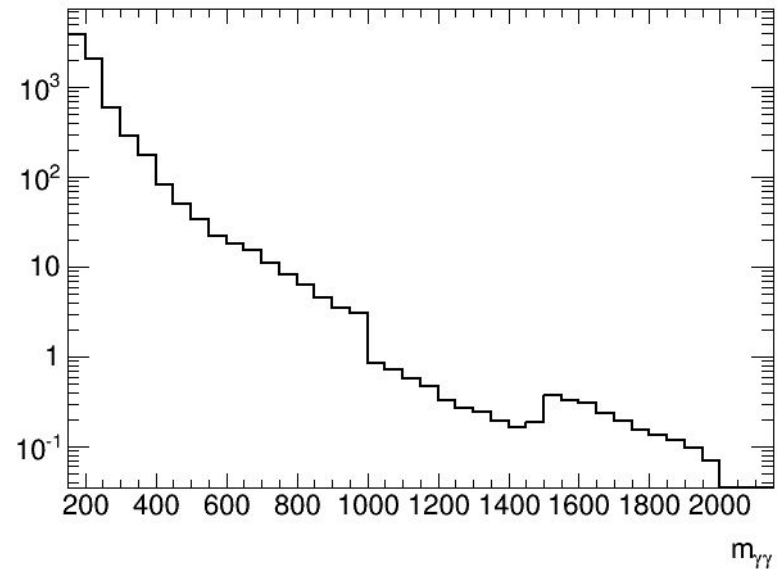
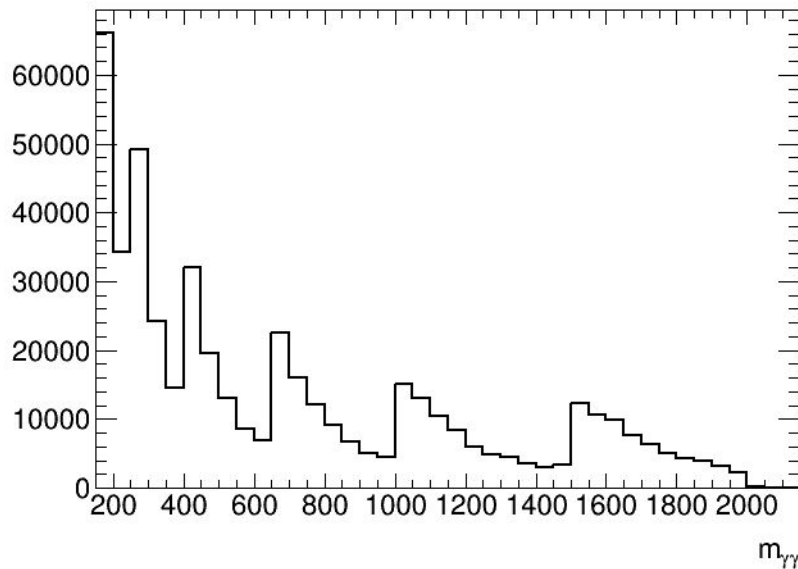
status

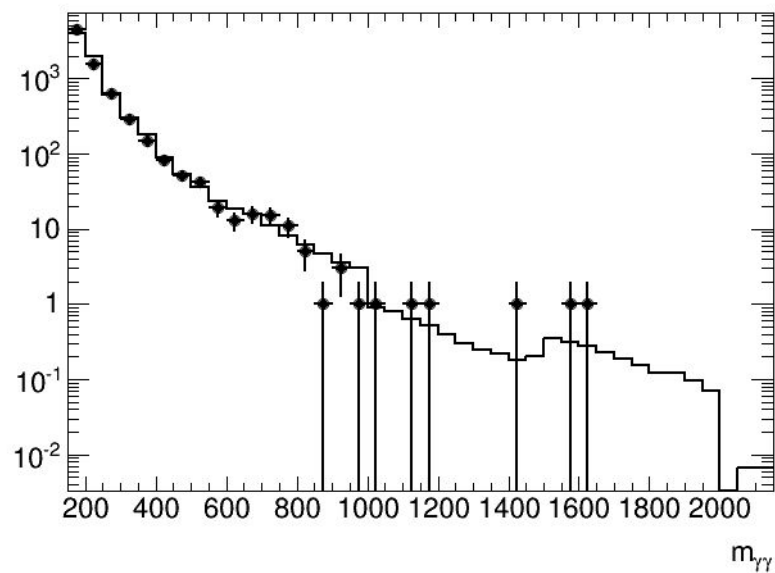
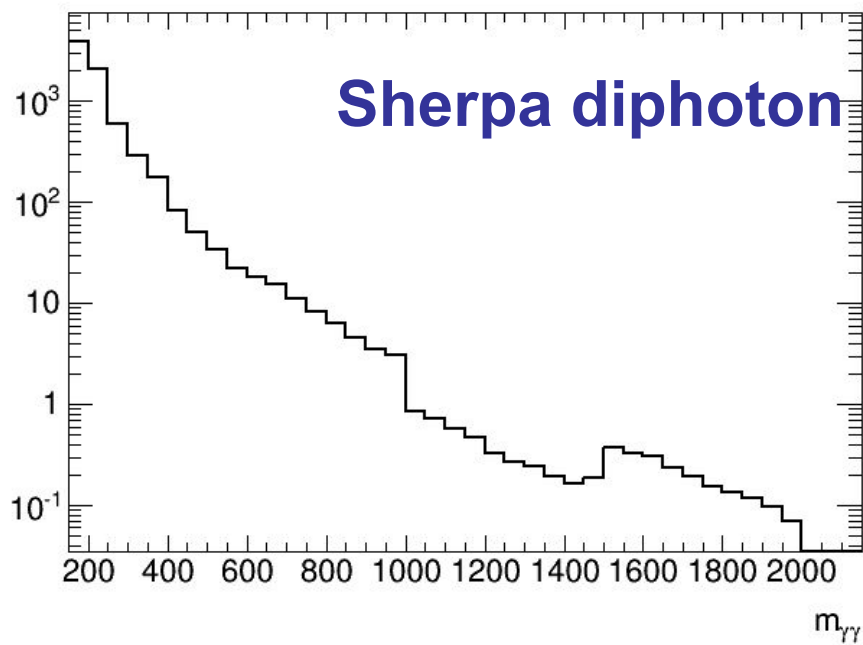
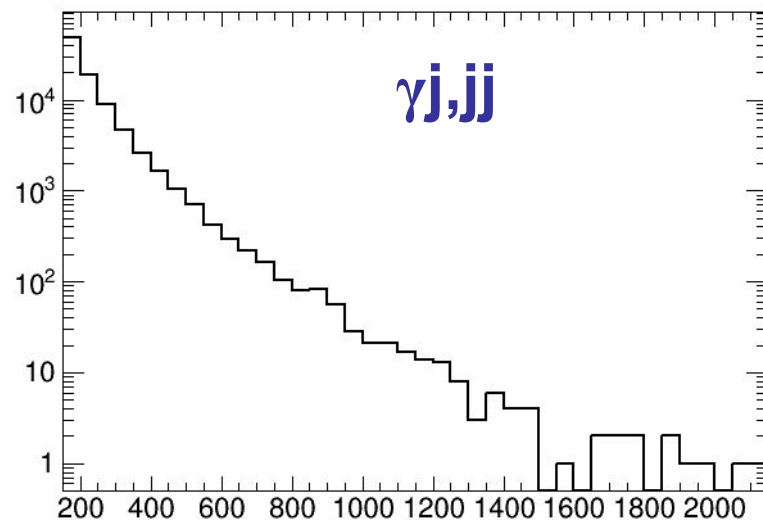
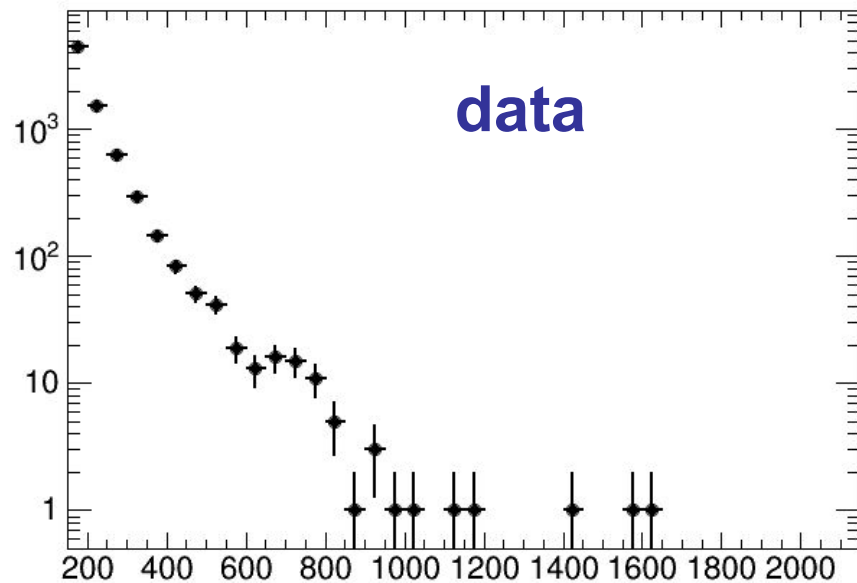
Yu Zhang

03.07

samples

- Sherpa_gamgam_2DP20_160-250.MxAOD.p2419.h010.root
- Sherpa_gamgam_2DP20_250-400.MxAOD.p2419.h010.root
- Sherpa_gamgam_2DP20_400-650.MxAOD.p2419.h010.root
- Sherpa_gamgam_2DP20_650-1000.MxAOD.p2419.h010.root
- Sherpa_gamgam_2DP20_1000-1500.MxAOD.p2419.h010.root
- Sherpa_gamgam_2DP20_1500-2000.MxAOD.p2419.h010.root





further check on VBF

- someone finds large difference in the percentage
 - run1 VBF $4.3 \cdot 10^{-3}$ for loose and $7 \cdot 10^{-4}$ for tight
 - run2 VBF $1.4 \cdot 10^{-3}$
 - run1 VHhad $2 \cdot 10^{-3}$ run2 VHhad $2 \cdot 10^{-2}$
 - same variables and MVA configuration
 - BDT cut is more tight than run1
- If necessary,
 - check with 8TeV data and MC

back up

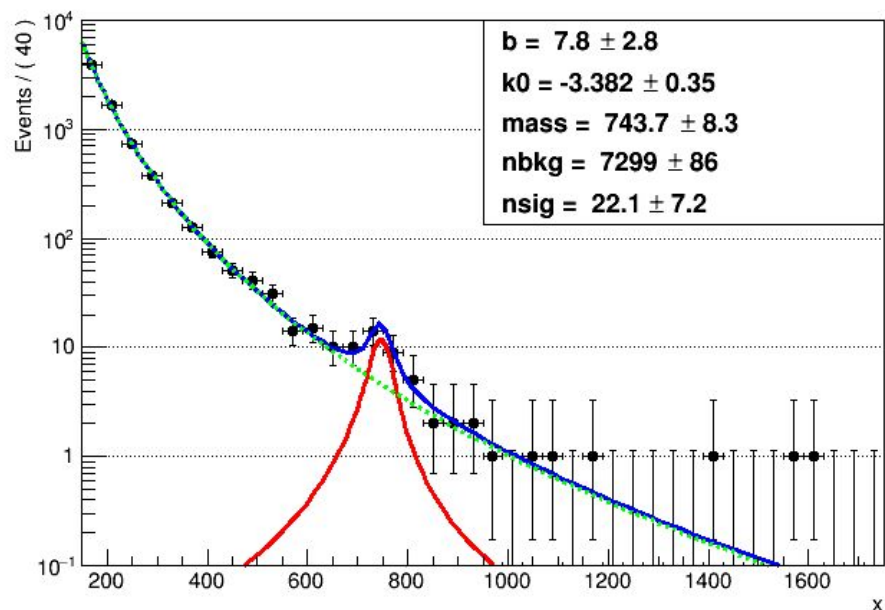
background modeling

$$f_0(x) = (1 - x^d)^b x^{a_0}$$

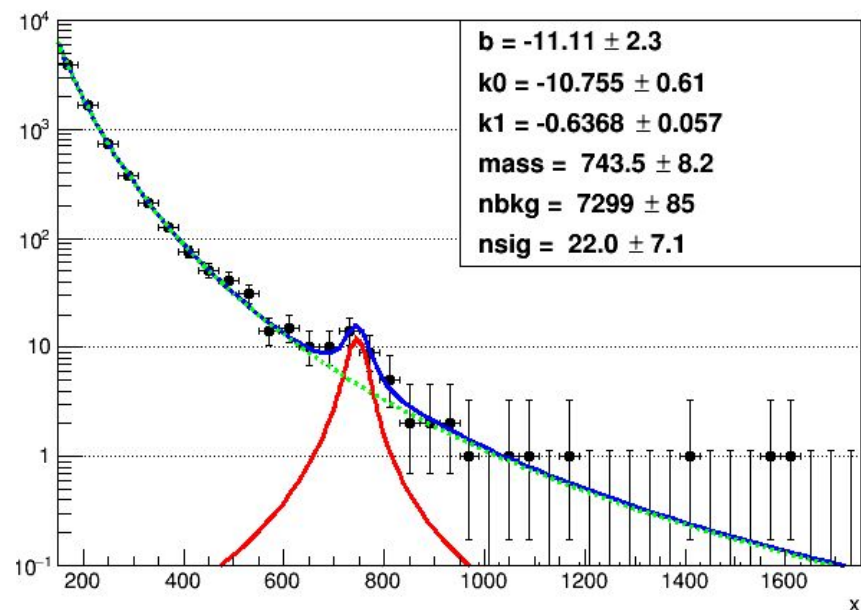
$$f_1(x) = (1 - x^d)^b x^{a_0 + a_1 \log(x)}$$

$$f_2(x) = (1 - x^d)^b x^{a_0 + a_1 \log(x) + a_2 \log(x)^2}$$

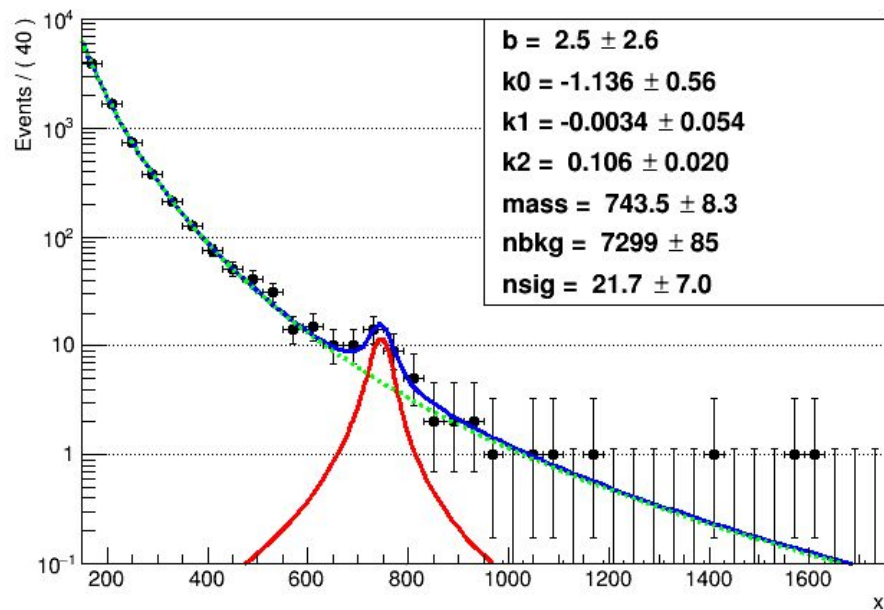
data_ID_Iso_RelPt



data_ID_Iso_RelPt



data_ID_Iso_RelPt



	signal	bkg	sigma
1	19.29	24.63	3.50
2	19.20	24.49	3.49
3	19.00	24.77	3.44