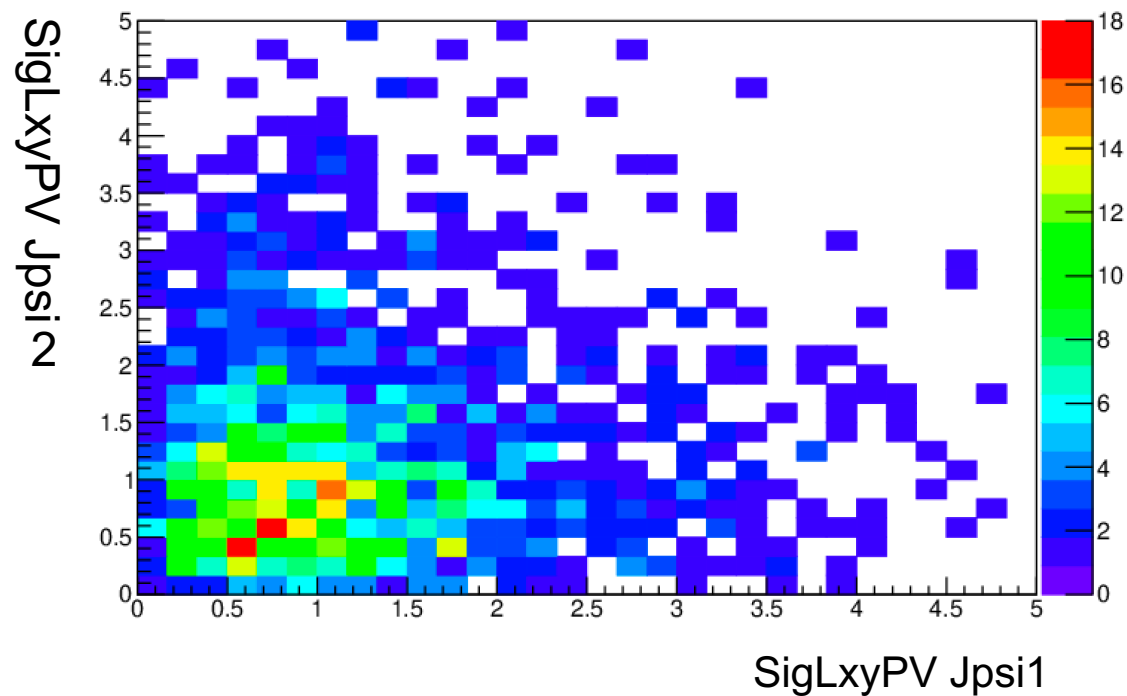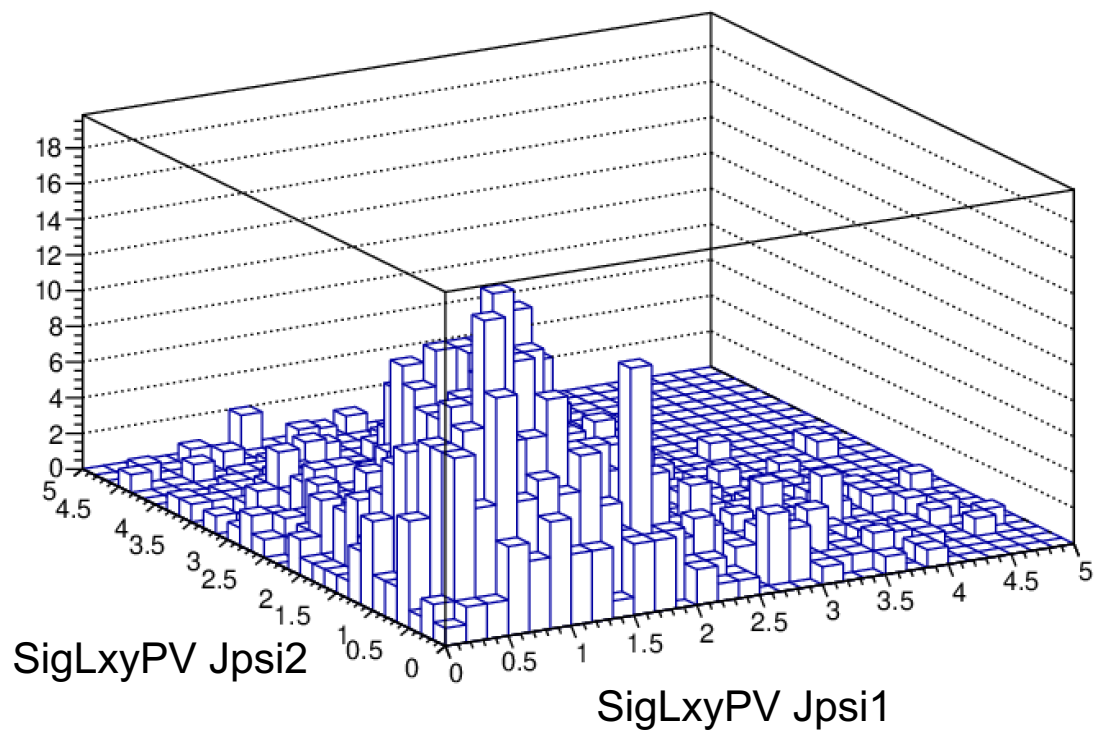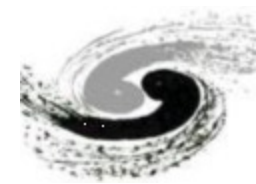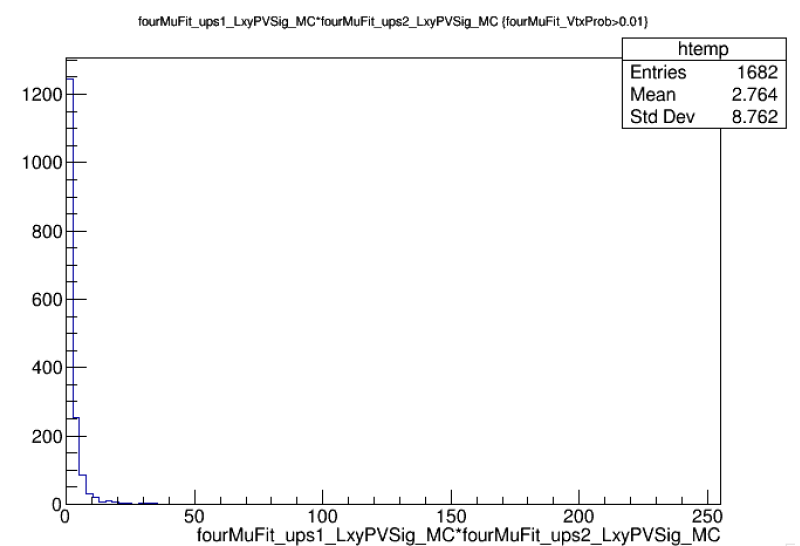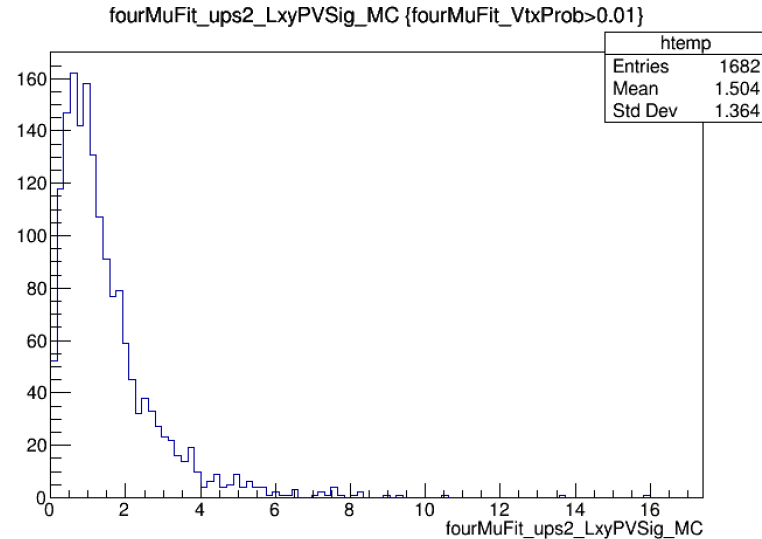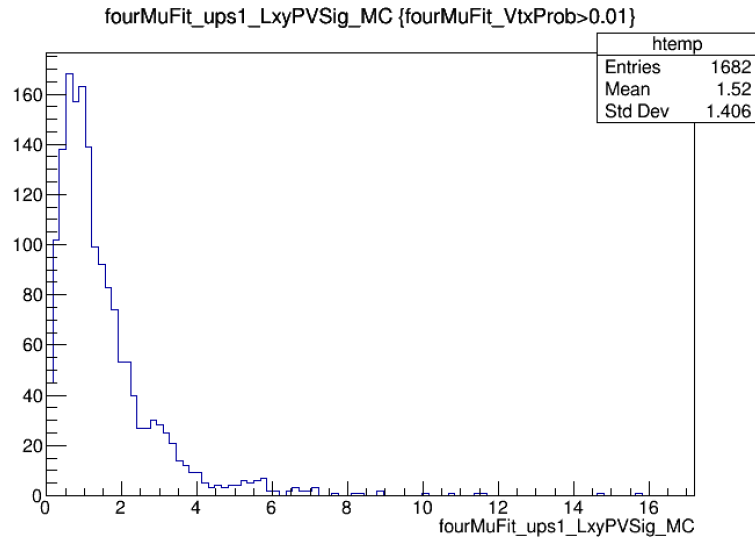# Double Jpsi work status

Taozhe YU

2022.12.1

2D distribution of SigLxyPV Jpsi1/2

- 2D distribution of SigLxyPV Jpsi1/2

- 随机变量X和Y的协方差：$cov(X,Y) = E(XY) - E(X)E(Y)$
- 随机变量X和Y的相关系数定义为：$\rho_{XY} \equiv \dfrac{cov(X,Y)}{\sigma(X)\sigma(Y)}$

计算得到相关系数为：
(2.764-1.52*1.504)/(1.406*1.406*1.364*1.364)=0.12229