



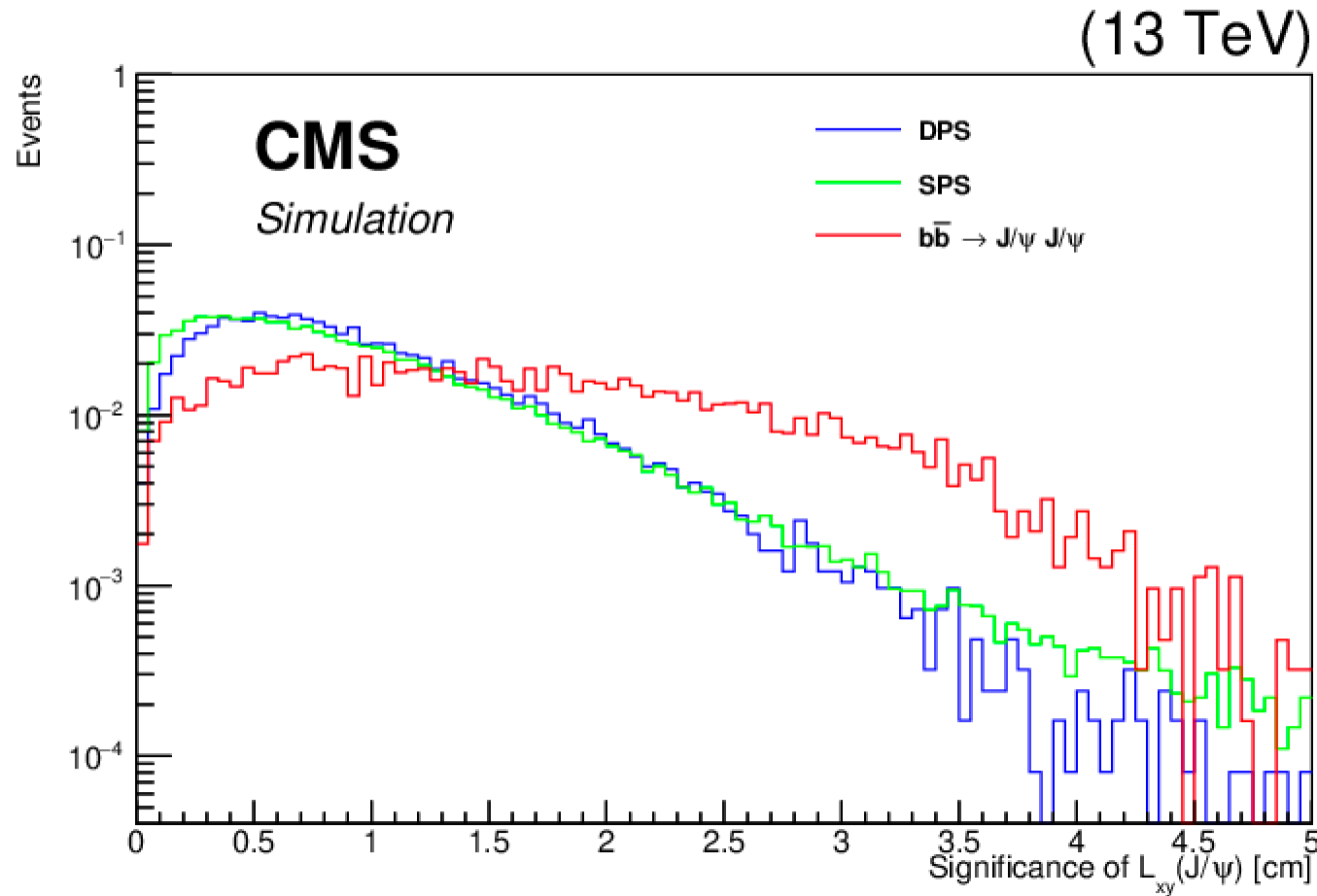
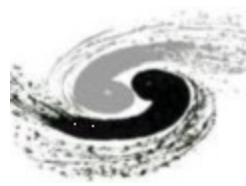
中国科学院高能物理研究所
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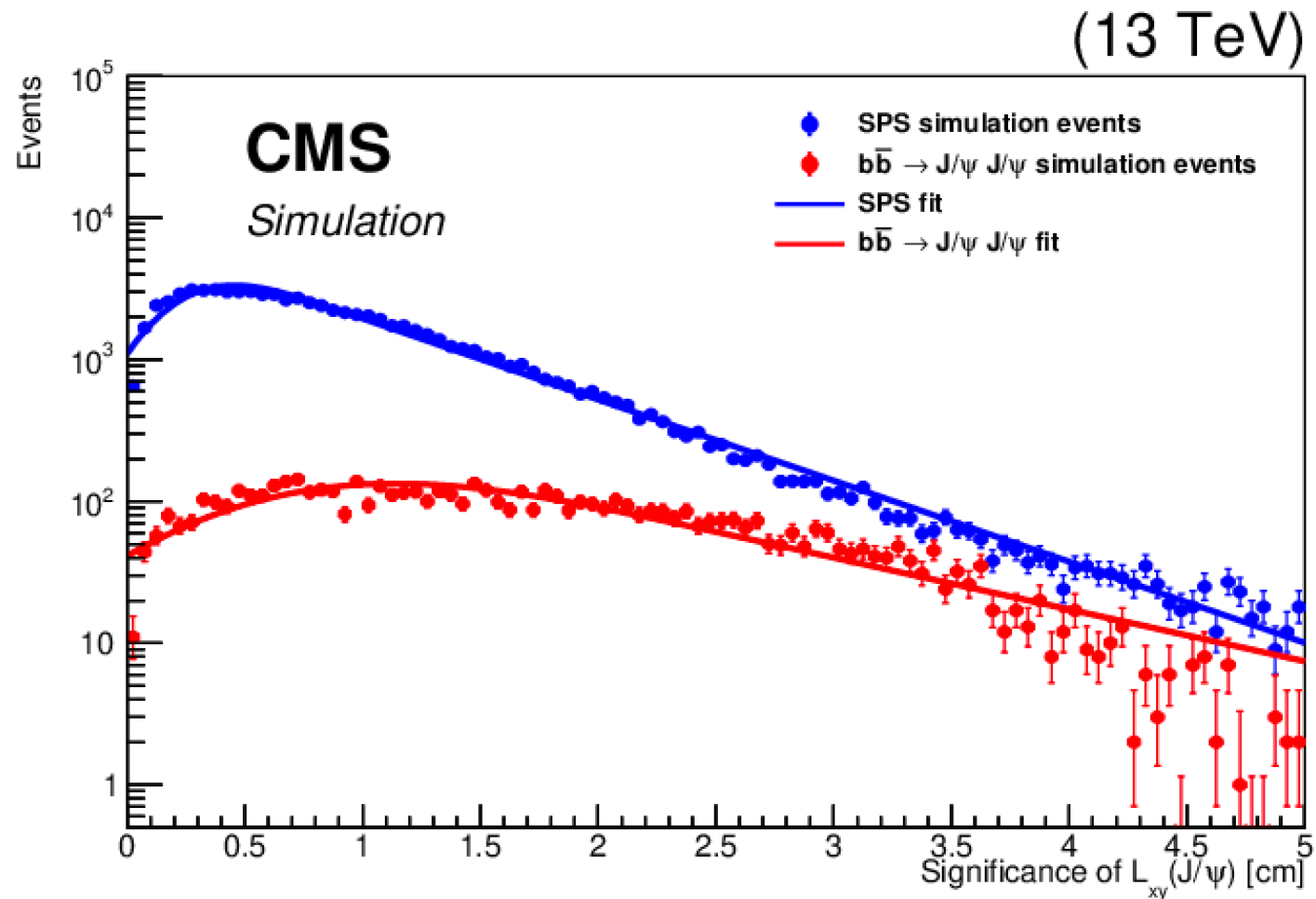
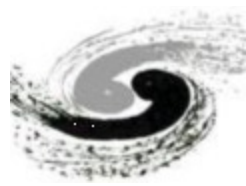
Double Jpsi group meeting

Taozhe Yu

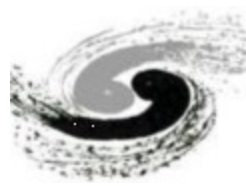
2022.11.3



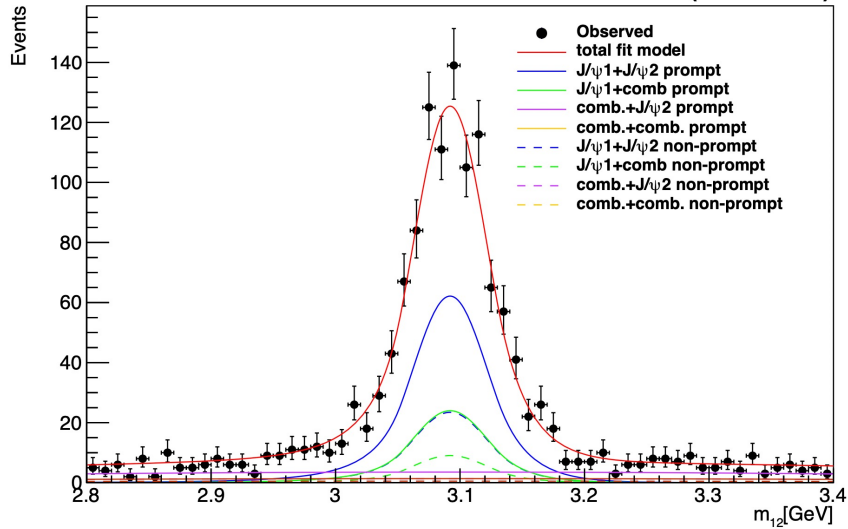
- Show the DPS, SPS and $B\bar{B}$ J/ψ 1 ctau distribution with 4mu vertex cut



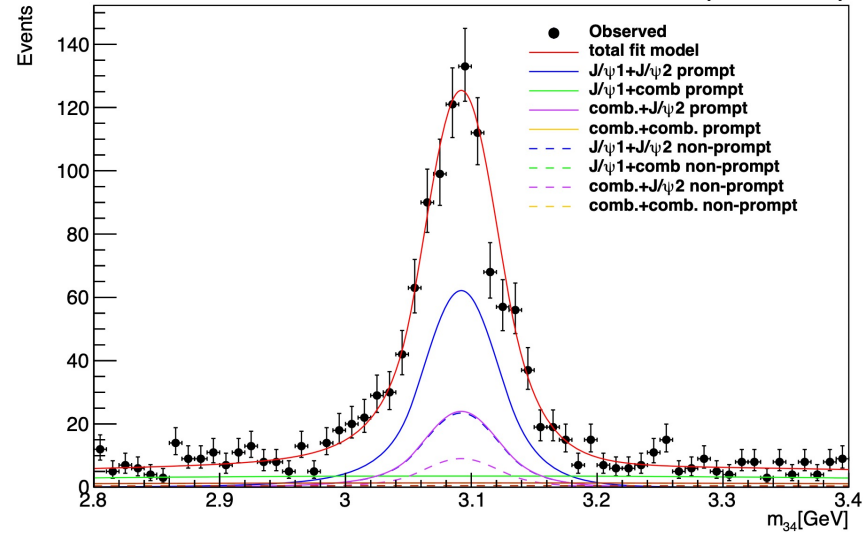
Use the Gauss \otimes Exp function to fit SPS and BBbar Significant of L_{xy} distribution



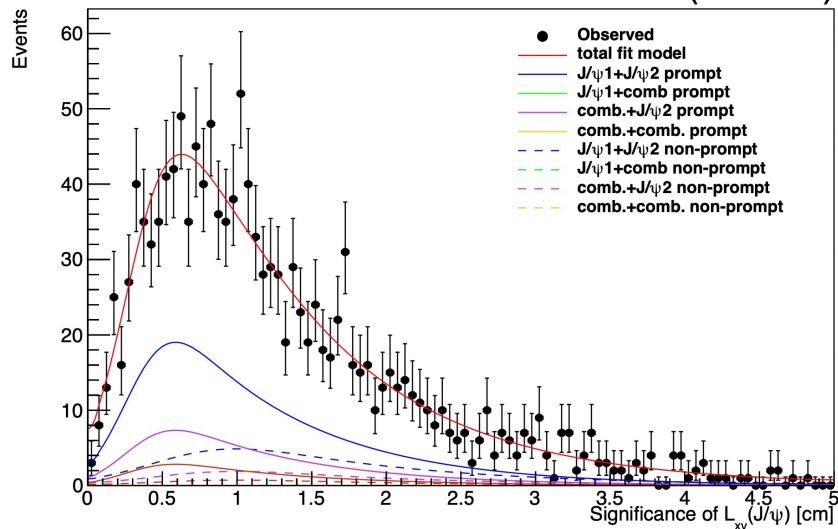
(13 TeV)



(13 TeV)



(13 TeV)



- J/ψ : using double-sided Crystal Ball (DSCB) function. The parameter get from DPS and SPS fit
- Combinatorial component: use the 2nd Chebyshev Polynomial
- $C\tau$: prompt and non-prompt use the Gauss \otimes Exp function
- J/ψ J/ψ fraction: 0.522 ± 0.011 , prompt fraction: 0.726 ± 0.0098