

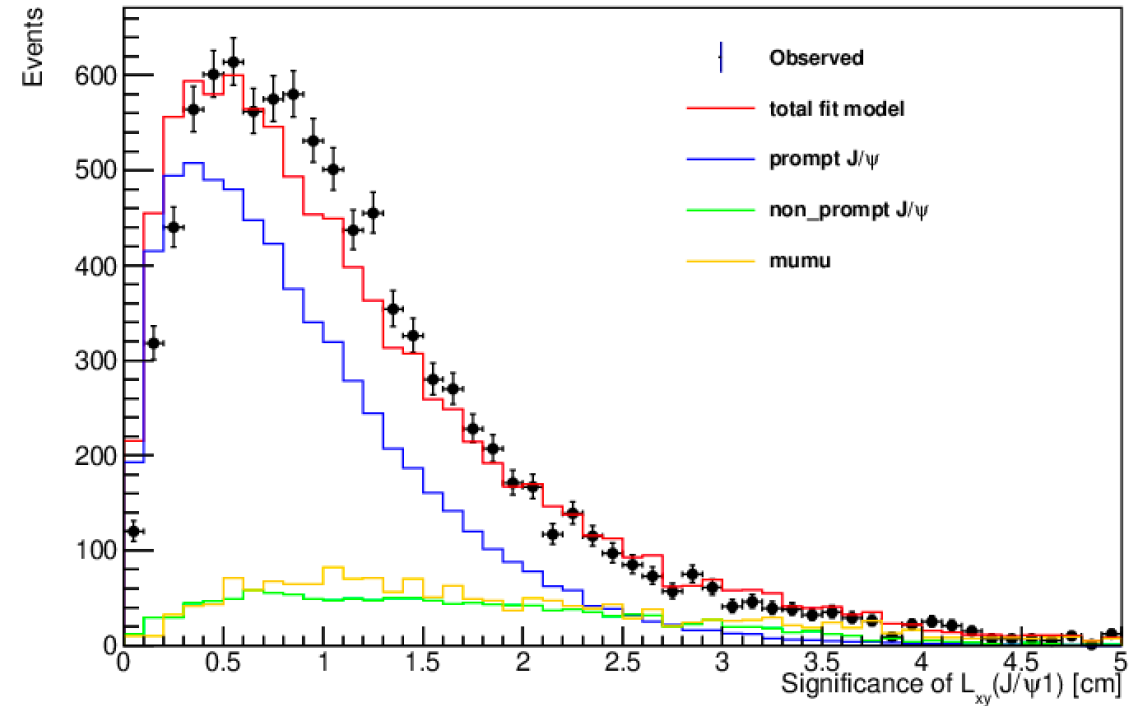
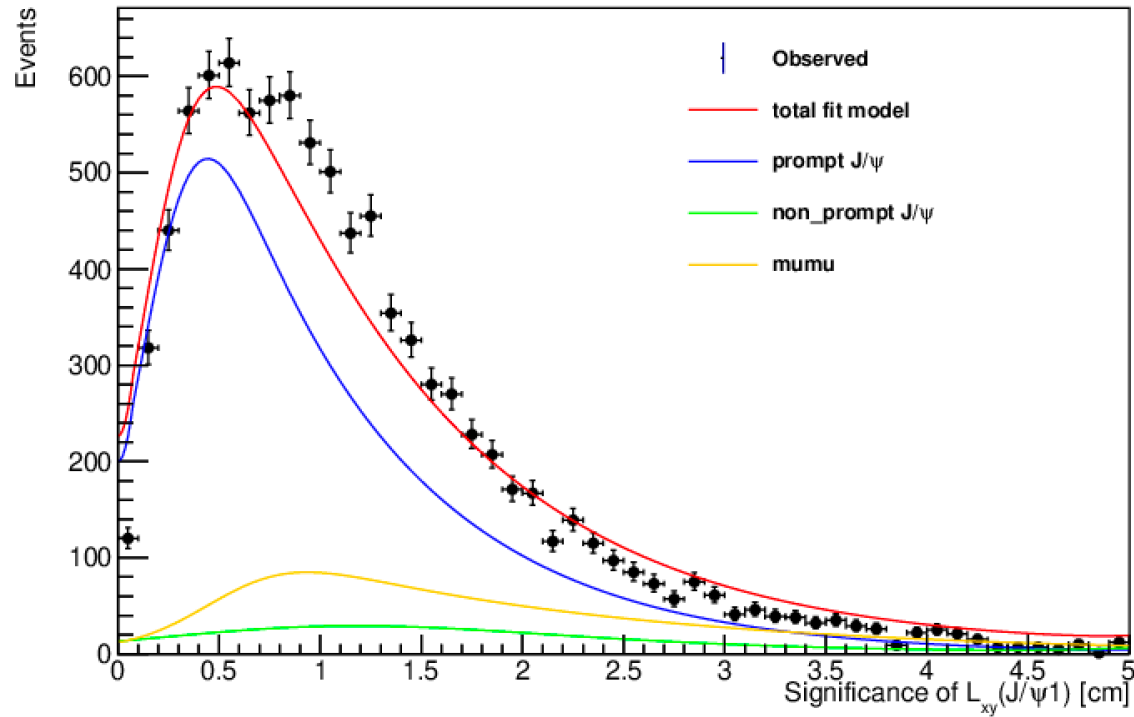


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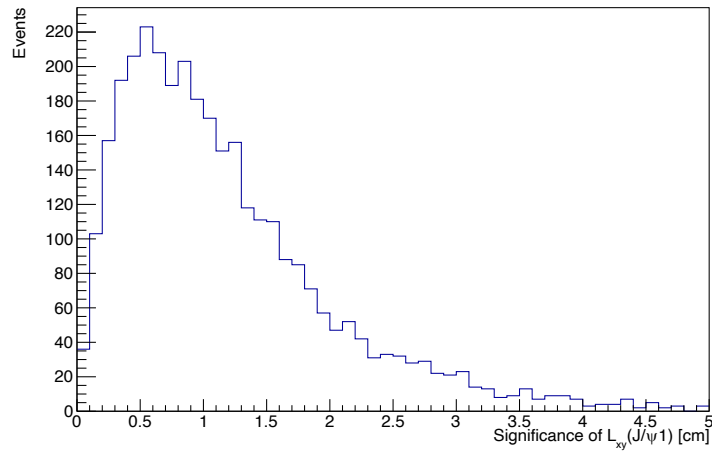
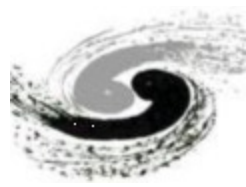


Double Jpsi

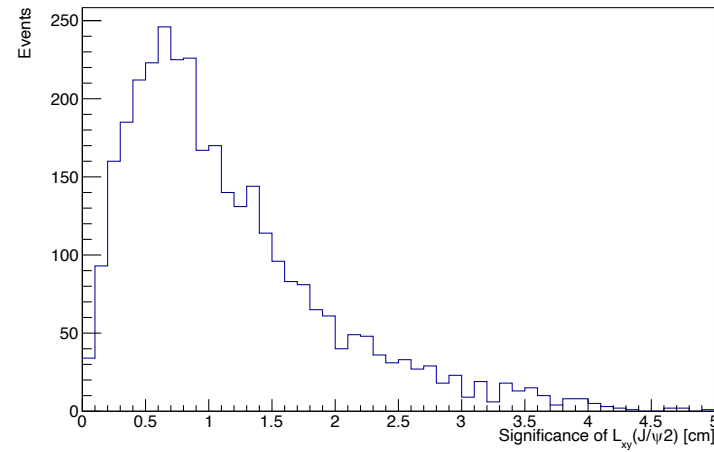
Taozhe Yu



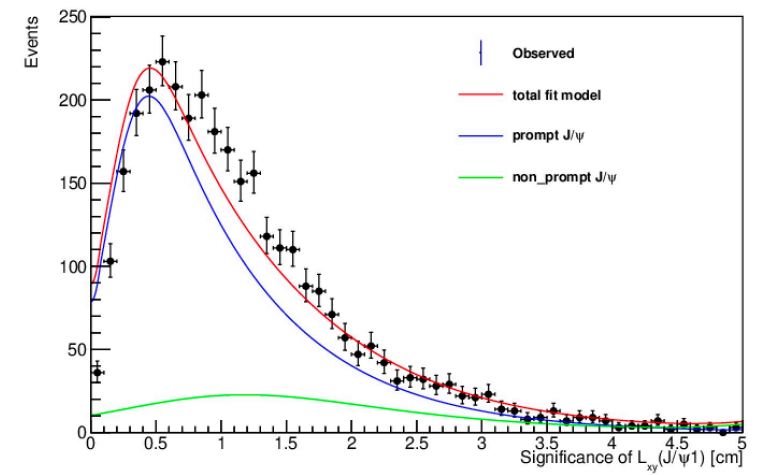
- I expect the signal region have three components: prompt J/ψ , non-prompt J/ψ , $\mu\mu$
- Use function and histogram PDF to fit
- The fit result still seems not good



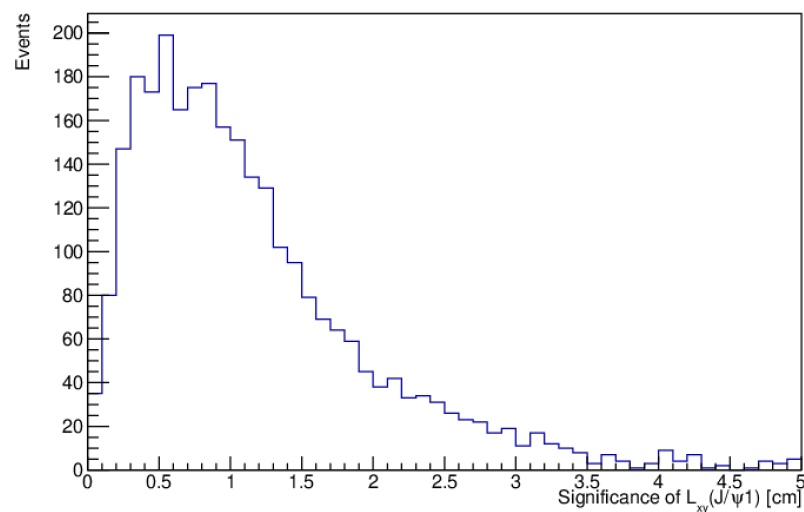
J/ ψ 1 SigLxy PV



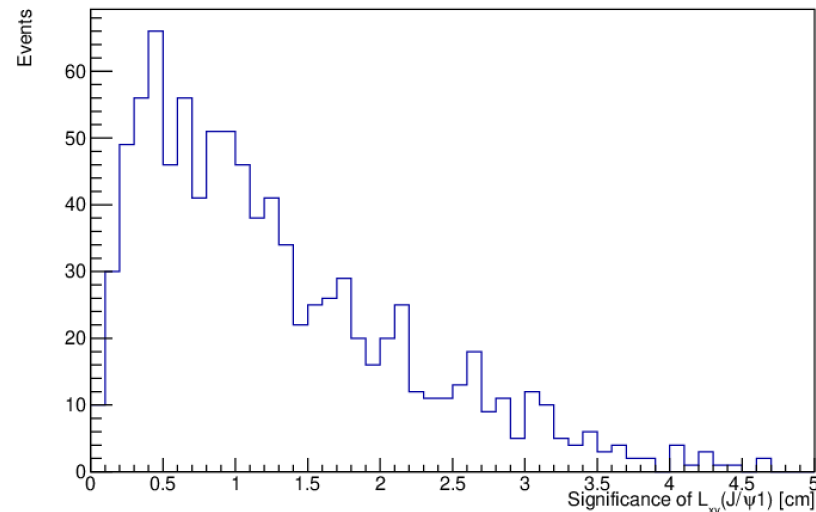
J/ ψ 1 SigLxy PV



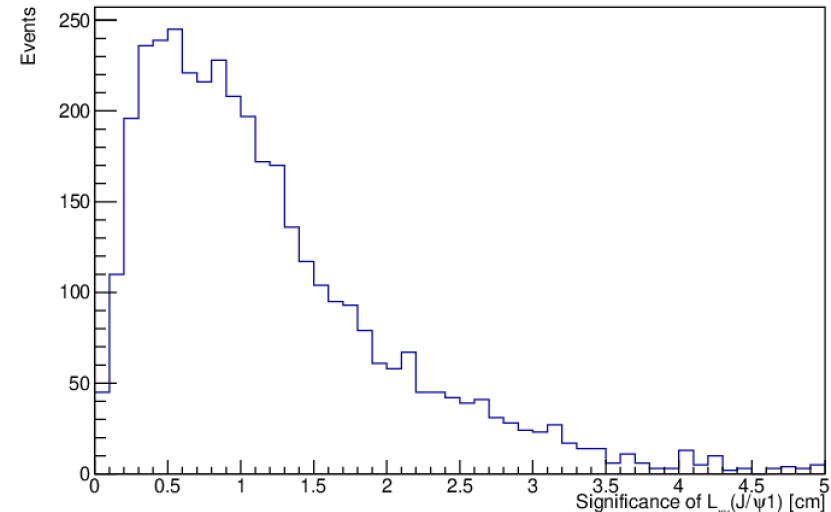
2016 data have the same situation as 2018 data



Trigger Matched



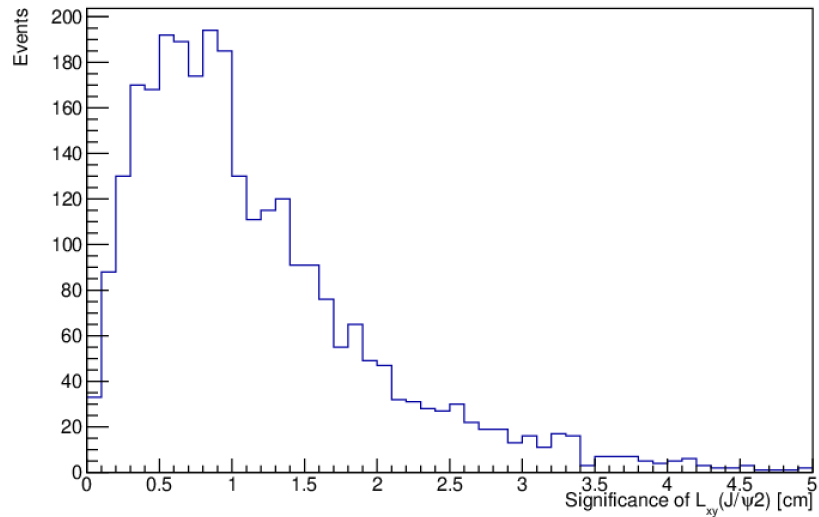
Trigger Not Matched



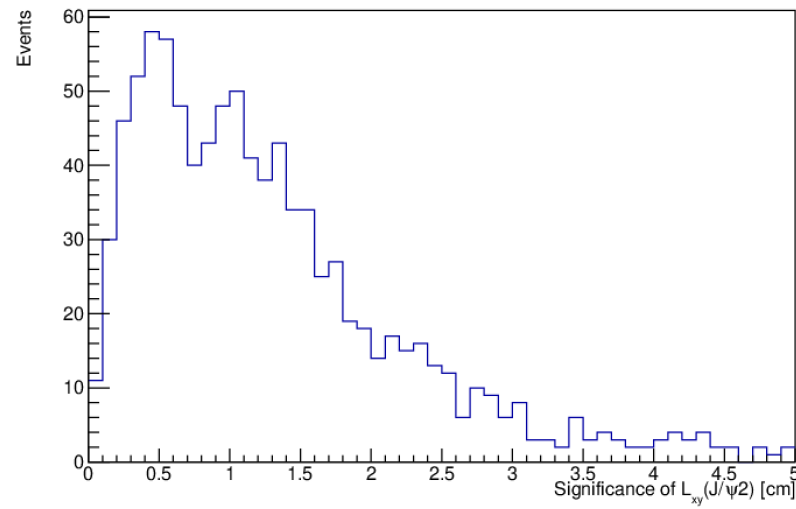
total

- $J/\psi 1$ SigLxyPV

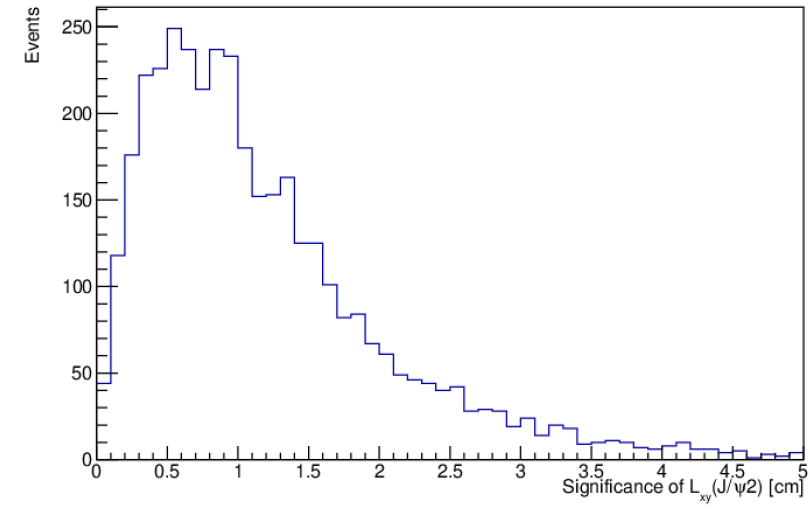
If we add trigger matched, the distribution still have unexpected peak



Trigger Matched



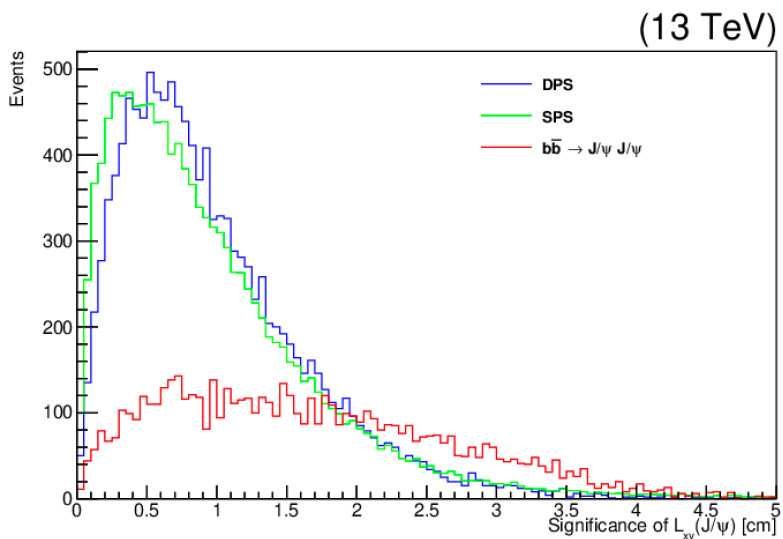
Trigger Not Matched



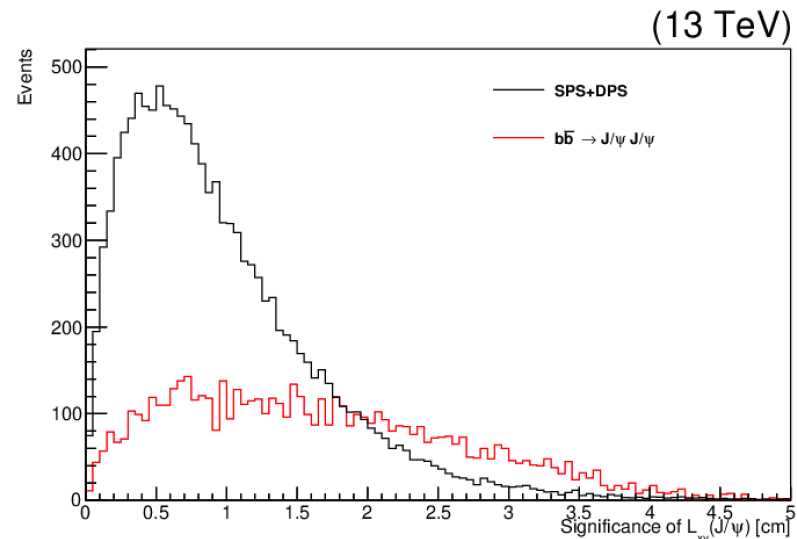
total

- $J/\psi 2$ SigLxyPV

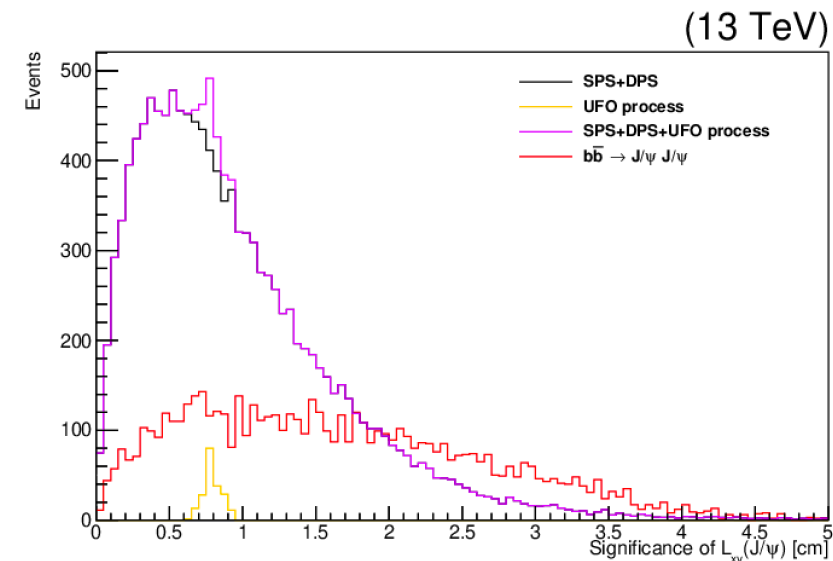
If we add trigger matched, the distribution still have unexpected peak



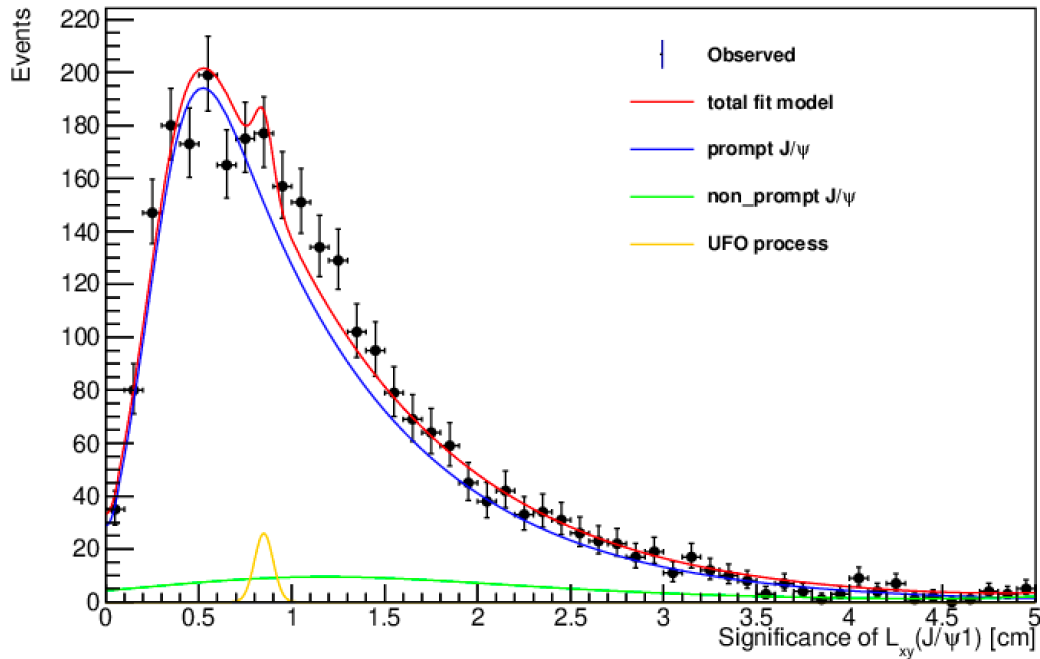
DPS normalized to SPS



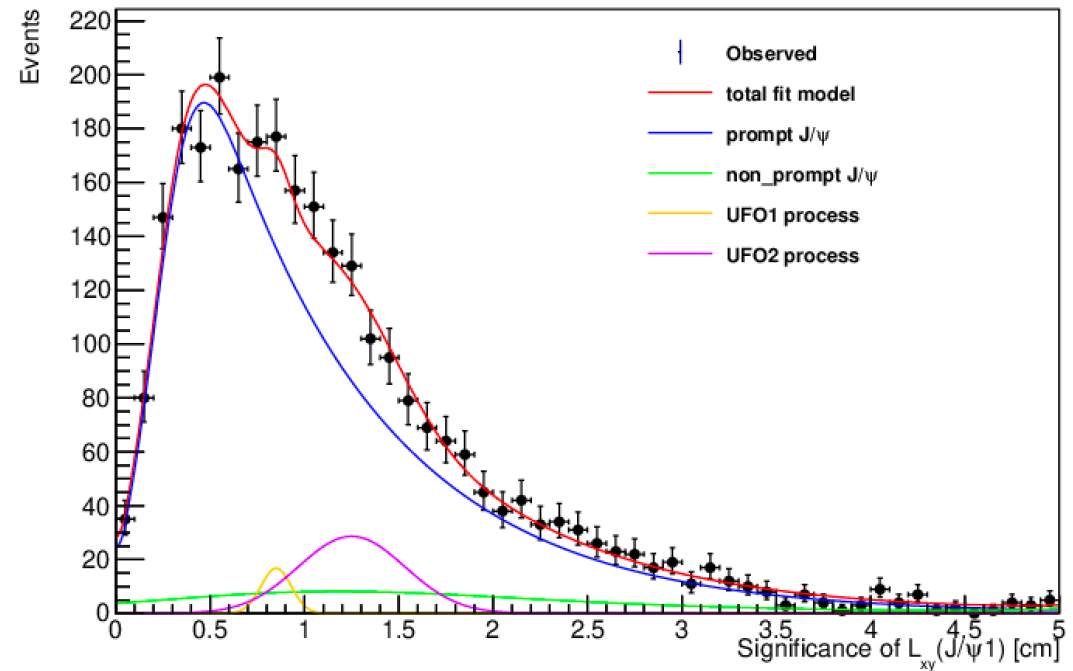
DPS+SPS



Add a gauss distribution
 Mean:0.8 Width:0.06
 number:200



If I add a gauss distribution in 0.85,
there are still some misfit in around
1.25



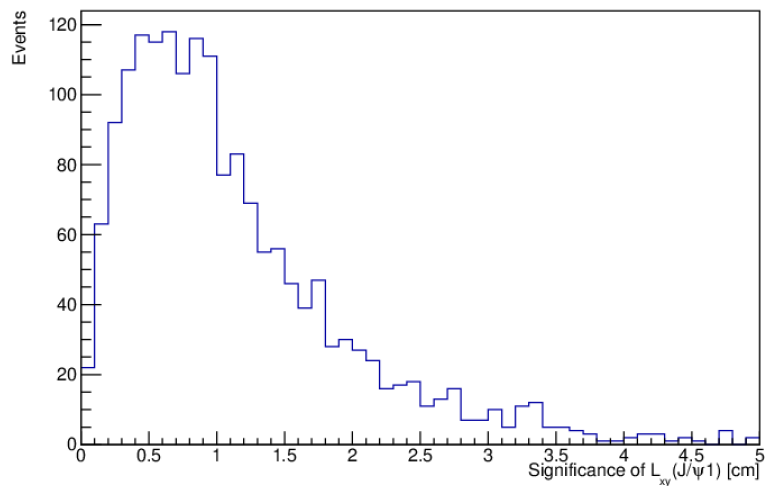
If I add another gauss distribution in 1.25



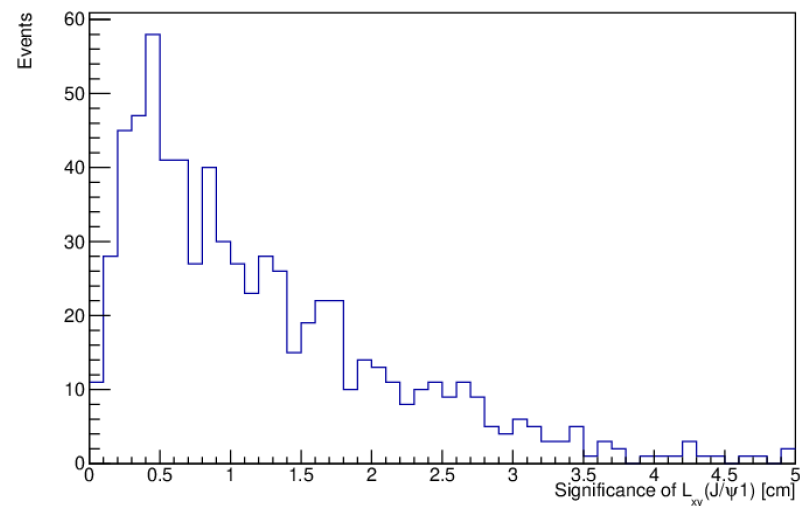
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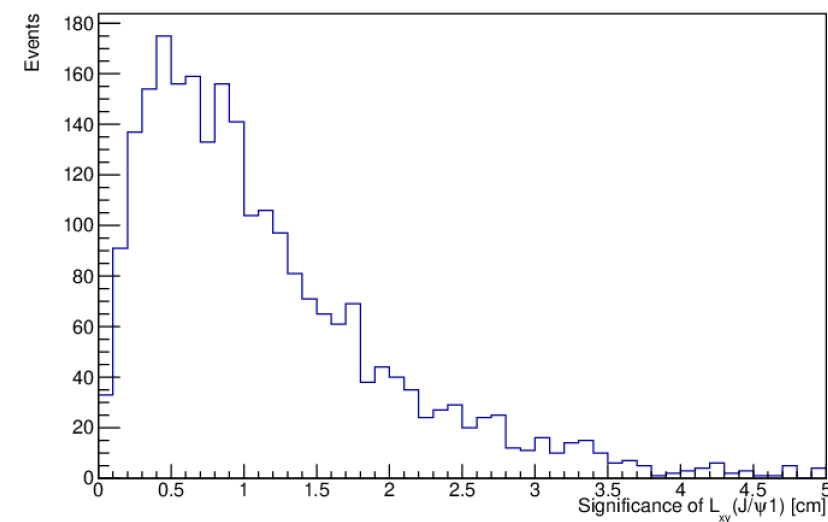
backup



Trigger Matched

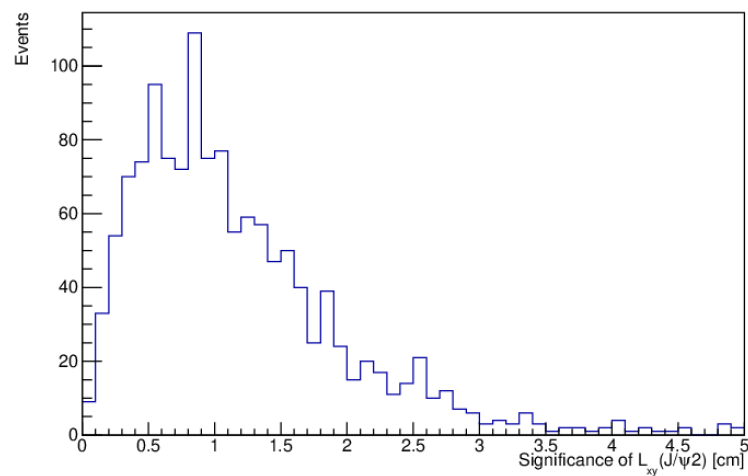


Trigger Not Matched

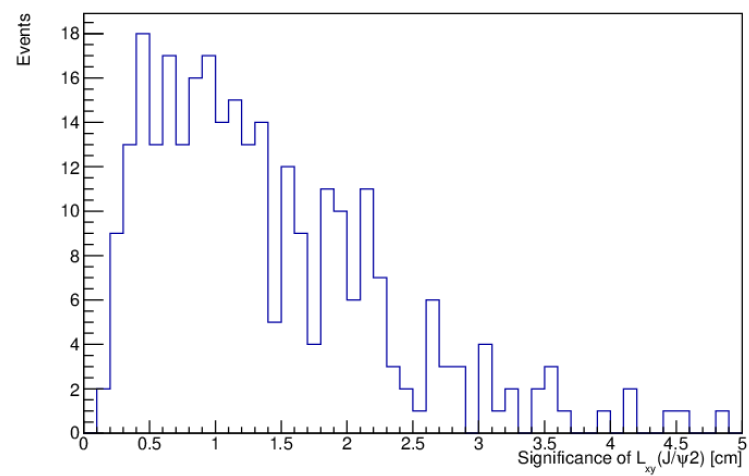


total

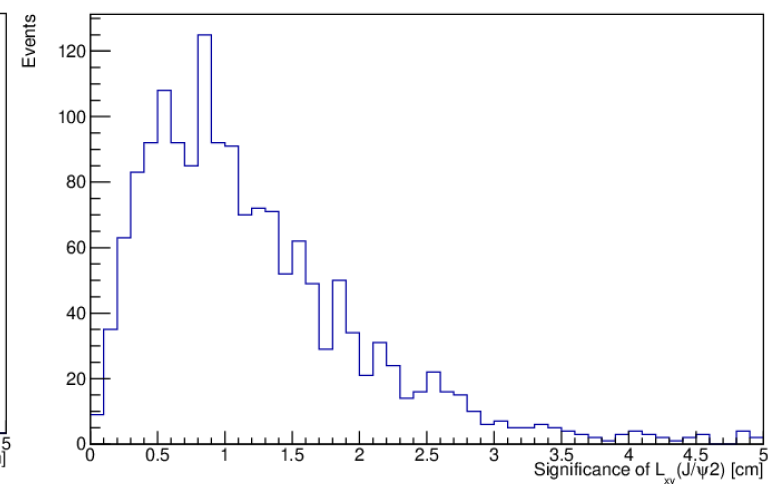
- $J/\psi 1$ distribution



Trigger Matched



Trigger Not Matched



total

- Jpsi 2