

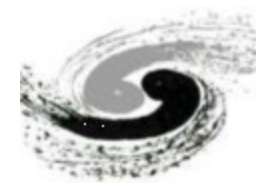


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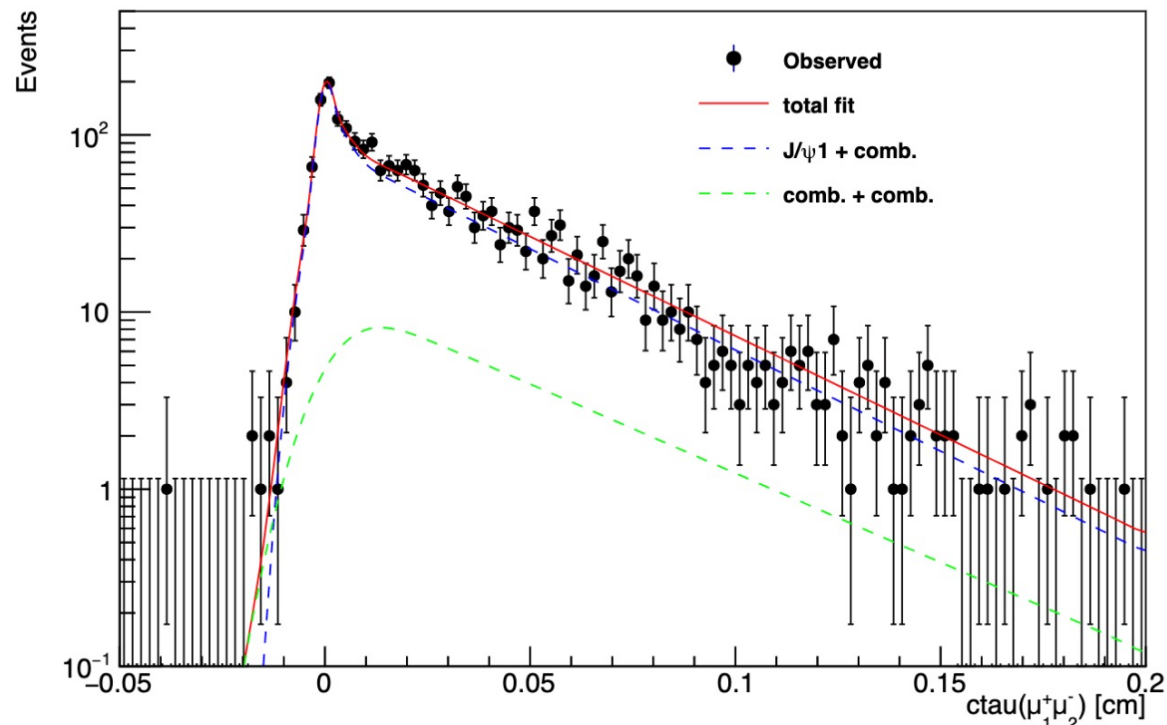




Jpsi_mumu Fit in 1D

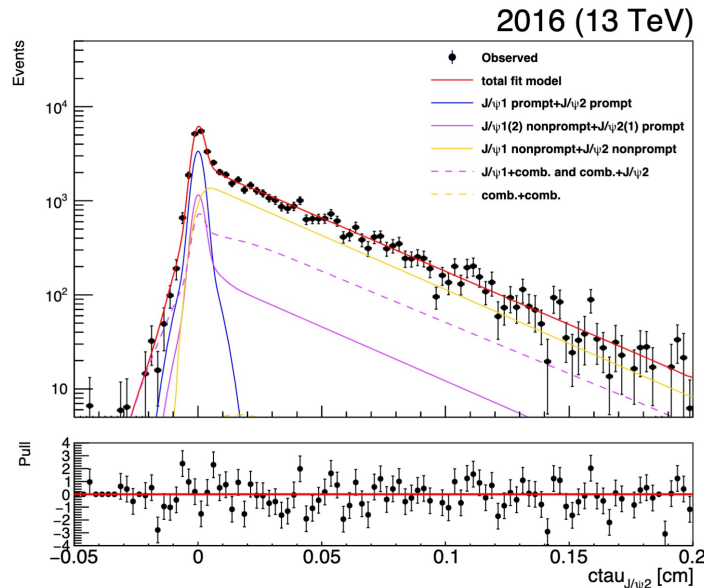
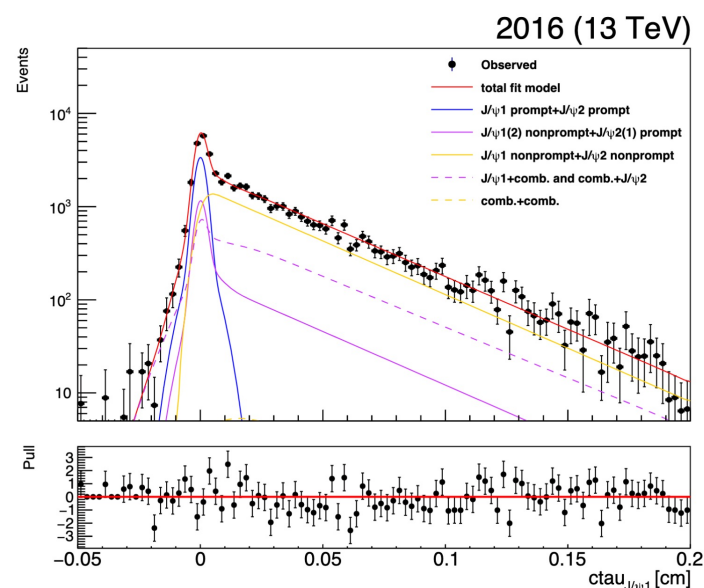
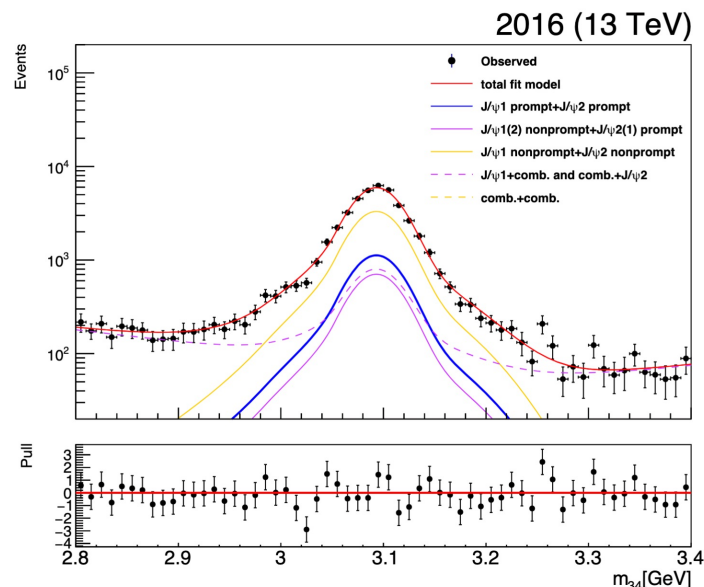
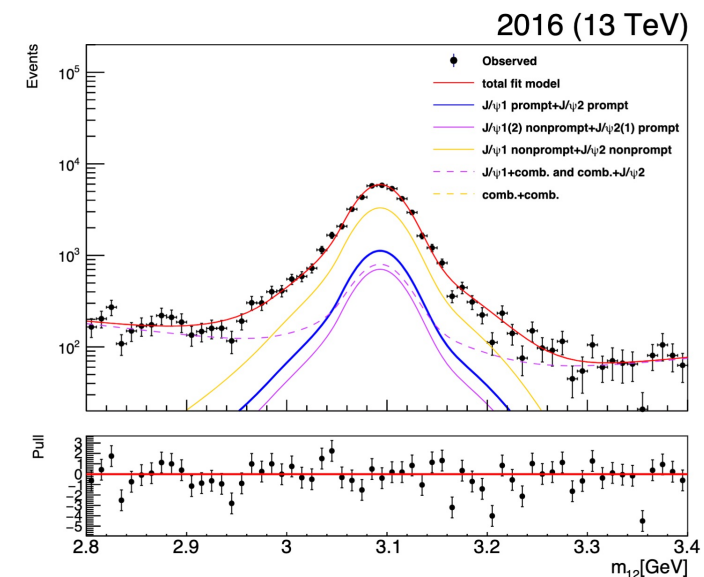


When the ctau left range extend to -0.05, the left tail can't be fitted by one gauss function, so the blue line function change from one Gauss + Exp⊗gauss to Double Gauss + Exp⊗gauss



FCN=-5291.83 FROM HESSE		STATUS=OK		39 CALLS		290 TOTAL	
EDM=1.07329e-05		STRATEGY= 1		ERROR MATRIX ACCURATE			
EXT	PARAMETER			INTERNAL	INTERNAL		
NO.	NAME	VALUE	ERROR	STEP SIZE	VALUE		
1	Jpsimumu_P_mean	1.87699e-05	5.05433e-04	5.77516e-03	-1.54339e+00		
2	Jpsimumu_P_width1	2.18156e-03	5.68763e-04	4.18460e-03	6.75184e-02		
3	Jpsimumu_P_width2	5.95792e-03	2.32670e-03	8.34190e-03	1.58563e-01		
4	gfrac_Jpsimumu_P	2.38089e-01	1.39786e-02	2.03697e-03	-7.13888e-01		
5	gfrac_gauss	7.29161e-01	2.27723e-01	8.11628e-03	6.10043e-01		

Data Jpsi_mumu region ctau 1D Fit



Component	Number
Prompt J/ψ pair	8384
Prompt J/ψ + Non-prompt J/ψ	5266
Non-prompt J/ψ pair	24674
J/ψ + comb.	10850
Comb. + comb.	147