Toy MC generation for 7 and 13 TeV $J\psi$

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March 22, 2022

Parameter	Value	Parameter	Value	Dev (σ)
$N_{J/\psi}$	0.020029 ± 0.000076	$L_{\mathrm{CMS,7}}$	1 ± 0	0.0
$N_{\psi(2S)}$	1.0	$L_{\rm CMS,13}$	1 ± 0	0.0
$N_{\Upsilon(1S)}$	1.0	$L_{\mathrm{LHCb},7,J/\psi}$	1 ± 0	0.0
$N_{\Upsilon(2S)}$	1.0	$L_{ m LHCb,7}$	1 ± 0	0.0
$N_{\Upsilon(3S)}$	1.0	$L_{ m LHCb,13}$	1 ± 0	0.0
		$f_{\beta 2}$	$(11.10 \pm 0.25)\%$	

Table 1: Results of the normalization fit. $\chi^2/\text{ndf} = 342$ / 270.

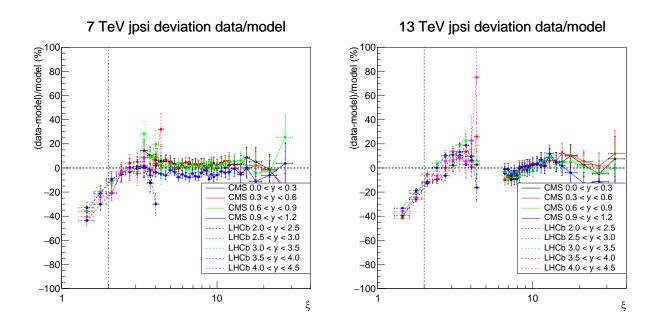


Figure 1: Relative deviations of the fit

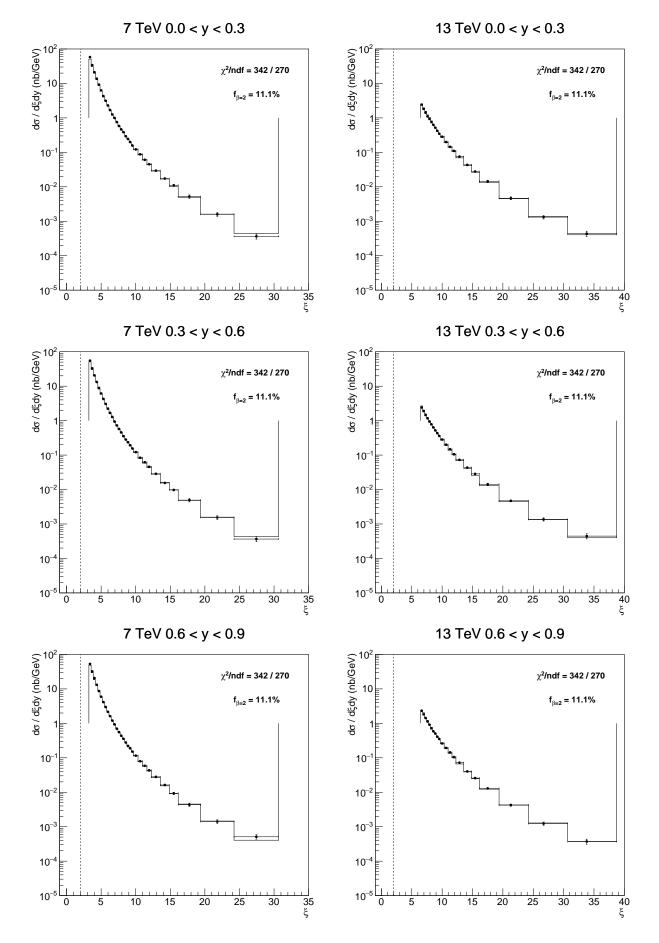


Figure 2: Comparison between MC ξ distribution and data points in the first three y bins of the data, for 7 TeV (left) and 13 TeV (right).

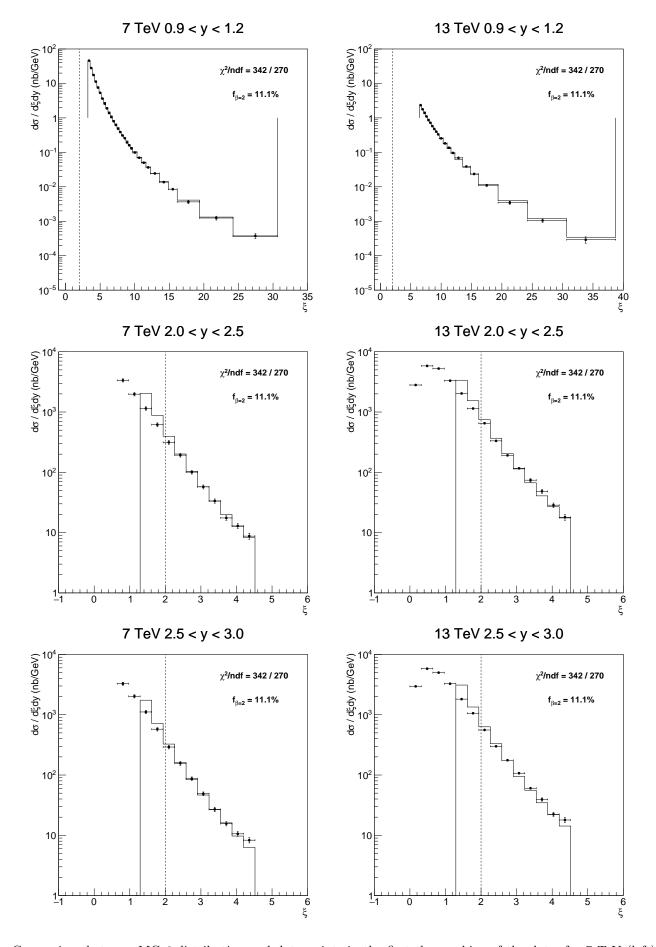


Figure 3: Comparison between MC ξ distribution and data points in the first three y bins of the data, for 7 TeV (left) and 13 TeV (right).

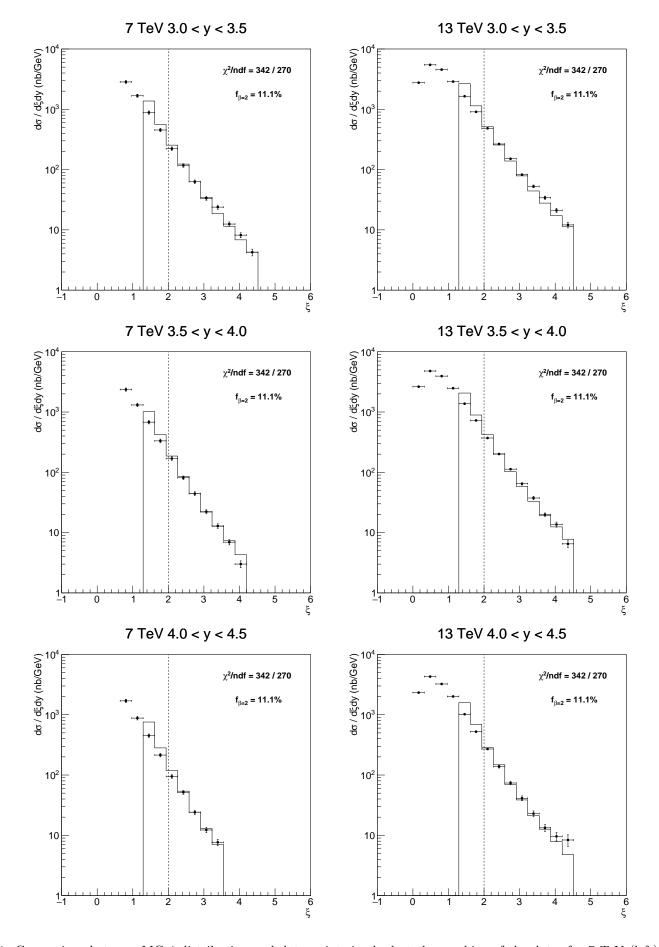


Figure 4: Comparison between MC ξ distribution and data points in the last three y bins of the data, for 7 TeV (left) and 13 TeV (right).