

Figure 1: $\chi_{c,b}$ ratios

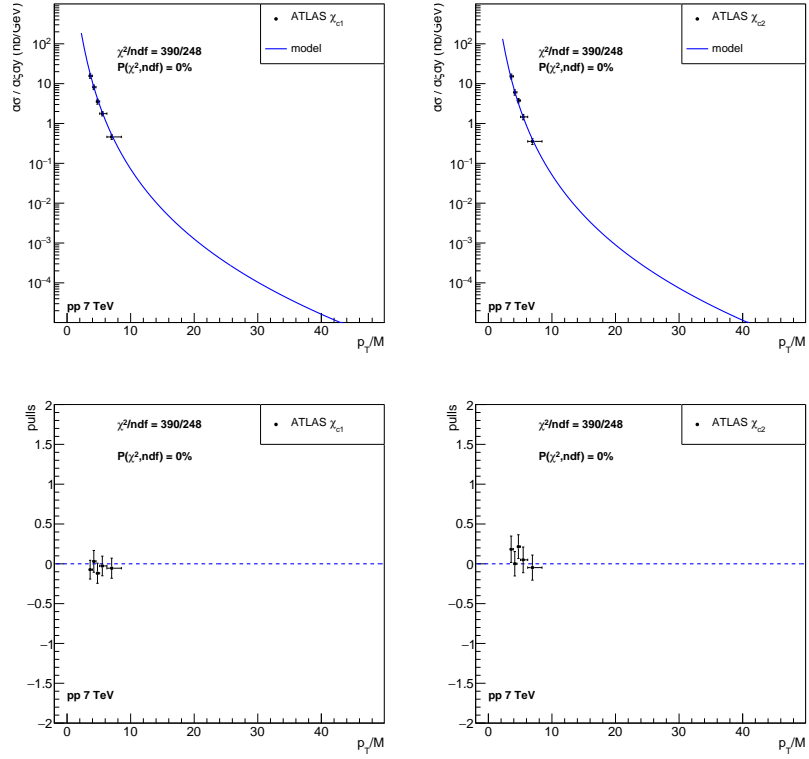


Figure 2: χ_c results

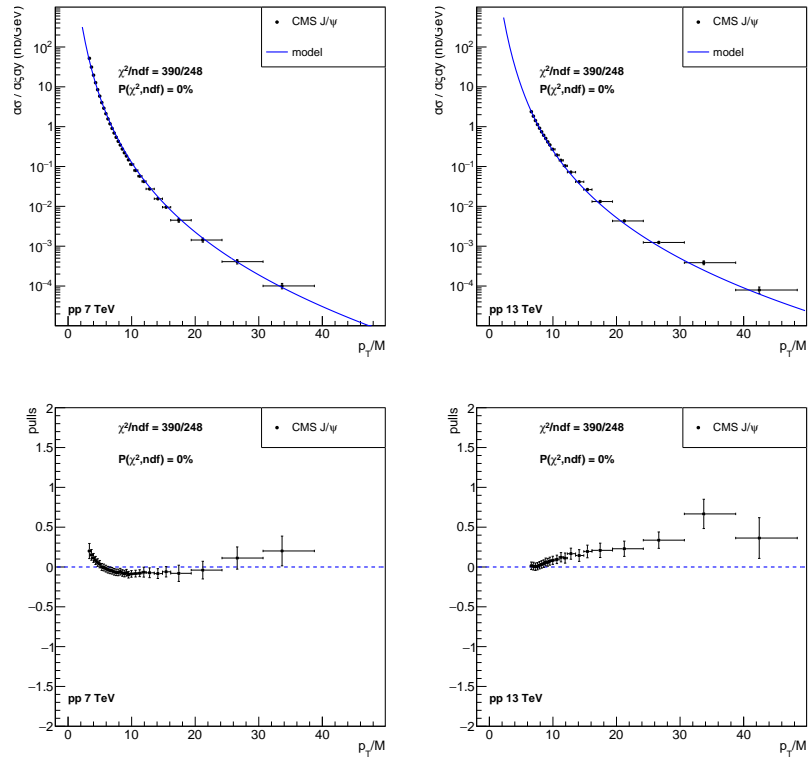


Figure 3: J/ψ results

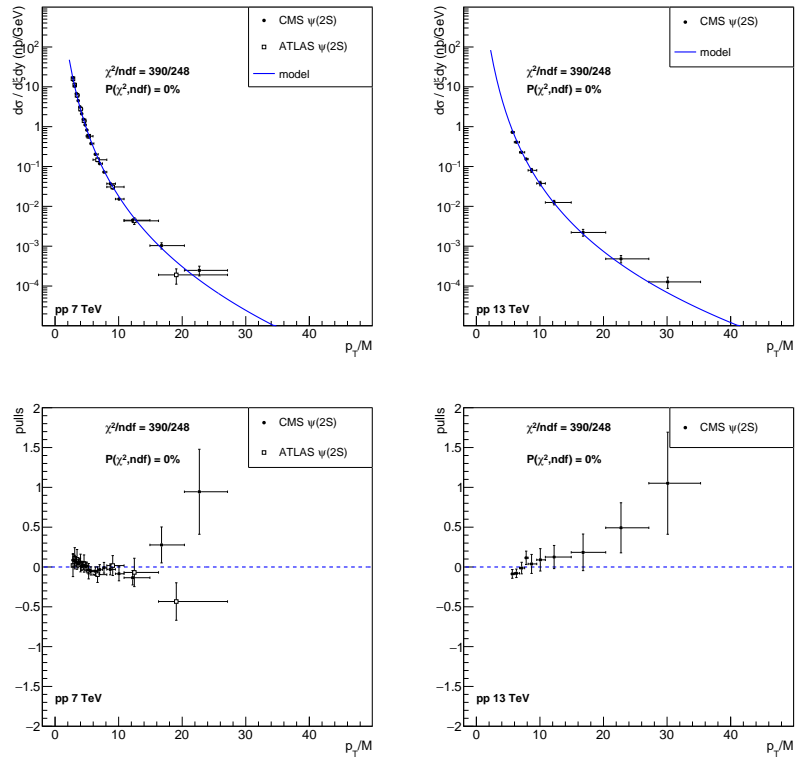


Figure 4: $\psi(2S)$ results

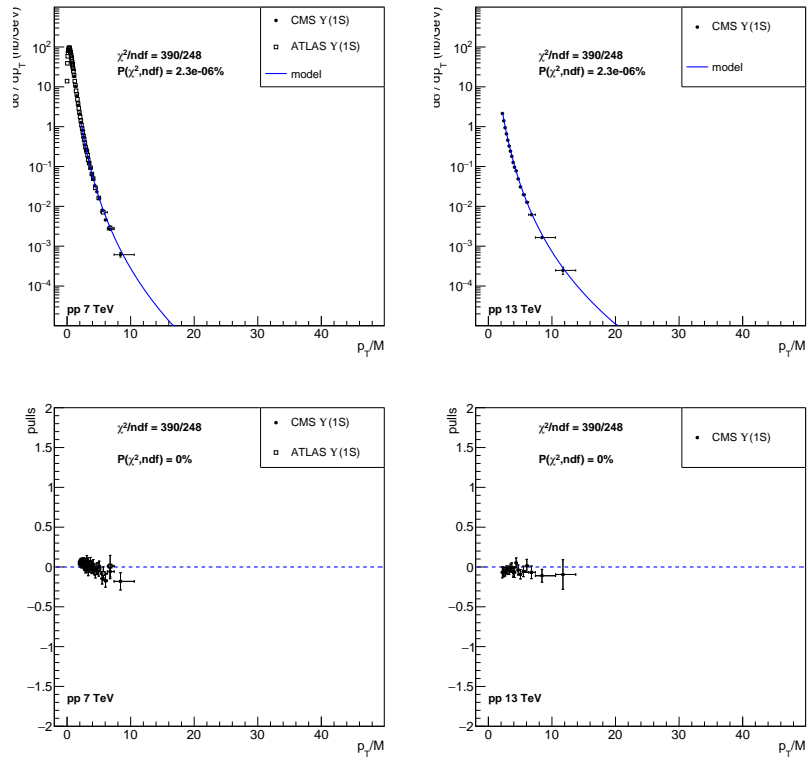


Figure 5: $\Upsilon(1S)$ results

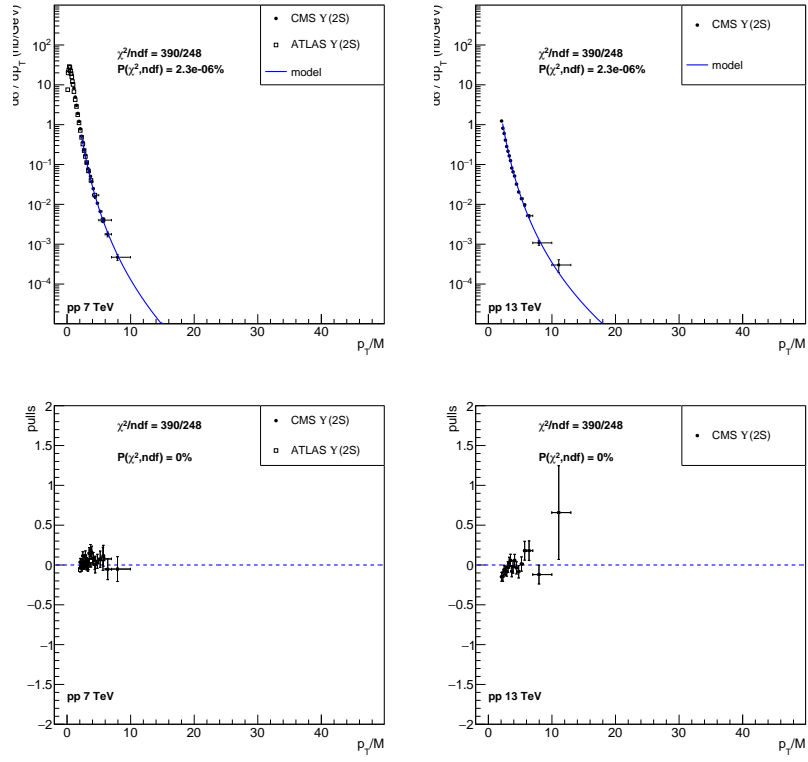


Figure 6: $\Upsilon(2S)$ results

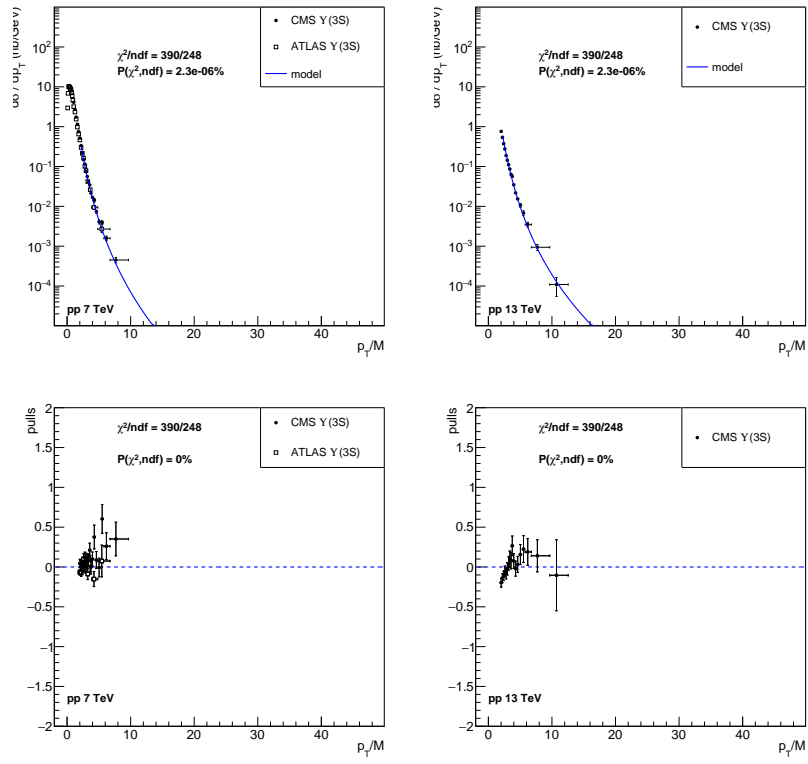


Figure 7: $\Upsilon(3S)$ results

Parameter	Value	Uncertainty
$L_{\psi(2S)}$	2.78922	0.114687
$L_{\chi_{c2}}$	6.23335	0.39684
$L_{\chi_{c1}}$	8.06499	0.486756
$L_{J/\psi}$	6.59051	0.191476
$L_{\Upsilon(3S)}$	9.12248	0.938732
$L_{\Upsilon(2S)}$	13.3237	1.27115
$L_{\chi_{b2}}$	6.23335	fixed
$L_{\chi_{b1}}$	8.06499	fixed
$L_{\Upsilon(1S)}$	19.4187	0.809001
A	0	fixed
β	1.74657	0.0265473
τ	1.64251	1.02267
ρ	2.4	fixed
δ	0.1	fixed
b	1.37034	0.0360187
c	10.7444	2.07639
d	0	fixed
e	0	fixed
BR_{ppdm}	0.954735	0.0433501
BR_{ppjdp}	1.00025	0.00863517
BR_{c2jpsi}	1.00865	0.0349298
BR_{c1jpsi}	0.99171	0.03451
BR_{jpsidm}	1.0001	0.00549956
BR_{b2ups1}	0.973383	0.0563418
BR_{b1ups1}	1.02691	0.0572064
BR_{ups3dm}	0.99999	0.0956384
BR_{ups2dm}	1	0.086258
BR_{ups1dm}	1	0.0195162
L_{CMS}	0.988228	0.0188456
L_{ATLAS}	1.00108	0.0176559
$L_{ATLAS}(\Upsilon)$	1.03104	0.0212621
$L(13/7)_{c\bar{c}}$	1	fixed
$L(13/7)_{b\bar{b}}$	1	fixed
$L_{CMS}(13)$	0.999833	0.0214444
$\Delta M_{c\bar{c}}$	0	fixed
$\Delta M_{b\bar{b}}$	0	fixed
$\min p_T/M$	2	fixed

Table 1: Fit parameters (χ^2 / ndf = 389.658 / 248 = 1.5712)