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Corrigendum

# Corrigendum to "Inclusive J/$\psi$ production in pp collisions at $\sqrt{s} = 2.76$ TeV" [Phys. Lett. B 718 (2012) 295]

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We have identified an issue in the calculation of the uncertainties of the mean transverse momentum $\langle p_t \rangle$ and mean transverse momentum squared $\langle p_t^2 \rangle$ of inclusive J/$\psi$ at forward rapidity in pp collisions at a centre-of-mass energy $\sqrt{s} = 2.76$ and at forward and mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV [1]. Both statistical and systematic uncertainties, derived from a fit to the measured $p_t$-differential cross section, were overestimated by about 50%. Moreover, for the results at mid-rapidity, the values quoted as systematic uncertainties were actually the total uncertainties, i.e. the quadratic sum of statistical and systematic uncertainties. The corrected numerical values for both $\langle p_t \rangle$ and $\langle p_t^2 \rangle$ are quoted in Table 1. In Fig. 1 we have updated the total uncertainties of the three ALICE data points.

**Table 1**
The $\langle p_t \rangle$ and $\langle p_t^2 \rangle$ values for inclusive J/$\psi$ production. Statistical (first) and systematic (second) uncertainties are quoted separately.

| | $\langle p_t \rangle$ (GeV/$c$)$^2$ | $\langle p_t^2 \rangle$ (GeV/$c$)$^2$ |
|---|---|---|
| $\sqrt{s} = 2.76$ TeV, $2.5 < y < 4$, $p_t < 8$ GeV/$c$ | $2.28 \pm 0.04 \pm 0.03$ | $7.06 \pm 0.26 \pm 0.13$ |
| $\sqrt{s} = 7$ TeV, $\lvert y \rvert < 0.9$, $p_t < 7$ GeV/$c$ | $2.72 \pm 0.14 \pm 0.11$ | $10.02 \pm 0.88 \pm 0.68$ |
| $\sqrt{s} = 7$ TeV, $2.5 < y < 4$, $p_t < 8$ GeV/$c$ | $2.44 \pm 0.06 \pm 0.04$ | $8.32 \pm 0.34 \pm 0.24$ |

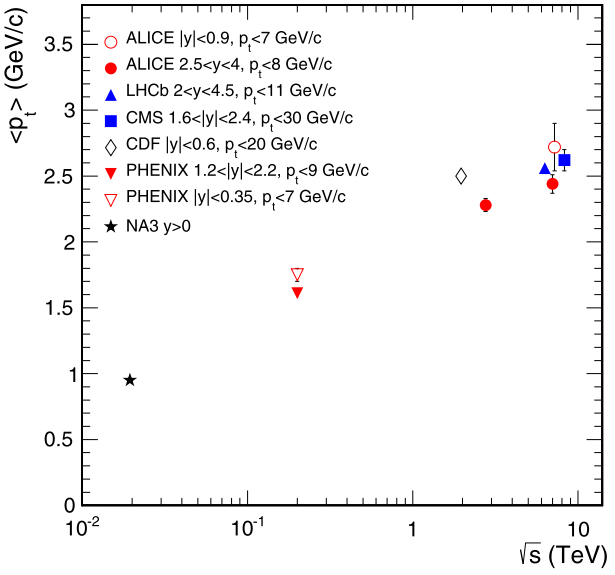


**Fig. 1.** The $\sqrt{s}$-dependence of $\langle p_t \rangle$ for inclusive J/$\psi$ production, for various fixed-target and collider experiments [2–7]. For the ALICE points the error bars represent the quadratic sum of statistical and systematic uncertainties. The points for $\sqrt{s} = 7$ TeV have been slightly shifted to improve visibility.

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