

Supplementary material for LHCb-PAPER-2017-015

Fig. 10 displays the cross-sections of J/ψ mesons over those of D^0 mesons measured in $p\text{Pb}$ and pp collisions at $\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$. The plot includes the results from this paper and from previous LHCb publications on J/ψ production [1,2].

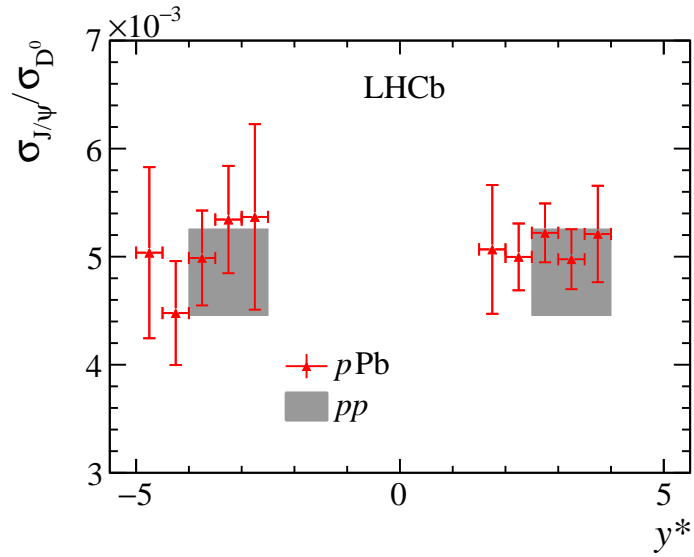


Figure 10: Ratio of cross-sections of J/ψ and D^0 mesons in (points with error bars) $p\text{Pb}$ and (shaded area) pp collisions at $\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$.

References

- [1] LHCb collaboration, R. Aaij *et al.*, “Study of J/ψ production and cold nuclear matter effects in $p\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 5 \text{ TeV}$ ”, JHEP **1402** (2014) 072, arXiv:1308.6729.
- [2] LHCb collaboration, R. Aaij *et al.*, “Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5 \text{ TeV}$ ”, JHEP **1706** (2017) 147, arXiv:1610.02230.