

# Accounting for soft cross sections at the LHC

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## Summary

We show that the full GLM model with a tuned Pomeron intercept  $\alpha_P = 0.23$  provides a good description of all available pp and  $\bar{p}p$  data for  $\sigma_{\text{tot}}$ ,  $\sigma_{\text{el}}$ ,  $\sigma_{\text{sd}}$ ,  $\sigma_{\text{dd}}$  and  $B_{\text{el}}$ , over the energy range  $20 < W < 7000$  GeV. We compare our results with experimental data and other models on the market, with emphasis on recent LHC results.

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