

Bounds on soft scattering in the TeV-scale

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Summary

A conceptual issue which is re-vitalized every few years is the rate at which the elastic p-p amplitude is getting closer to saturation. Our expectations for a decisive new experimental information are very low. AUGER has delivered, thus far, data of interest at 57 TeV from which block has calculated the value of σ_{inel} .

Having no better option, I have scanned a few updated phenomenological models and have reached the conclusion that, unless some unexpected feature of soft scattering will be discovered, the elastic p-p amplitude is nor expected to ever become saturated.

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