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A global analysis of the proton PDF requires a combination of DIS, DY, and jet data. The flavor differentiation depends heavily on the DIS data, much of which is measured on nuclear targets; hence the nuclear PDFs (nPDFs) come into play. A global nPDF analysis finds tensions between the nuclear correction factors in various data sets. We explore possible sources of this tension, and compute ratios of experimental observables which (largely) minimize any theoretical bias. We also quantify the nPDF uncertainty using a set of error PDF functions and show comparisons with recent nPDF determinations.

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