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## PDF uncertainties in TMD extractions

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A recent study of the Artemide group has analyzed the impact of PDF uncertainties in the extractions of TMD from data. This result shows that beyond the usual  $\chi^2$  analysis, a control of PDF replica distributions must be achieved in order to remove differences among different PDF sets in TMD analysis. When this is achieved, errors coming from several PDF sets are finally found compatible among each other. PDF uncertainty in TMD extraction is still the most relevant one in the overall error balance (comparable to theoretical errors).

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