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Disentangling quark distributions with the collider and fixed-target and data in the ABM PDF fit

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We consider impact of the recent data obtained by the LHC, Tevatron, and fixed-target experiments on the quark distributions in the nucleon with a particular focus on disentangling of different quark species. Improved determination of the poorly known strange sea distribution is obtained and the standard candle benchmarks for the Drell-Yan process at the LHC are updated.

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