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Recent QCD results from the xFitter project

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We present the xFitter project which provides an open-source software framework
for the determination of the proton's parton distribution functions and for the interpretation of the physics analyses in the context of Quantum Chromodynamics.
The project has been used recently for a number of analyses performed by the LHC collaborations and theory community, which are summarised briefly. The xFitter developer's team also performed several studies in the last year including estimation of the impact of heavy quark matching scales and next to leading log high-energy resummation in the PDF fits, which are presented in more details.

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