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Progress in the ABM PDF fit

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We report an update of the ABM PDF fit with a focus on the impact of recent data from the LHC, in particular the ones on W^- and Z -boson and not-resonant lepton pair production. Different approaches to generation of the nucleon photon distribution are considered within the ABM framework and compared to the relevant data. The updated values of strong coupling constant and the heavy quark masses, which are determined from the fit simultaneously with the PDFs are presented.

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