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A modern fit of the electroweak parameters from all the available low energy ν_{μ} -hadron scattering data

We present an updated fit of the model independent electroweak (EW) parameters by using all the available low energy data for neutrino scattering from nuclei. For the theoretical expressions we make use of the CTQ10 set of Parton Distribution Functions (PDFs) taking into account the corresponding uncertainties coming from the charm mass and the PDF parameters. We find that that these uncertainties have an sizable effect in determining EW parameters.

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