LIFE AFTER THE PDF4LHC PRESCRIPTION

WHAT COMES NEXT?

- MORE PDF4LHC15 SETS:?

  CURRENTLY, NLO, NNLO; $N_f = 4,\ 5$; α_s ERROR SETS

  - HEAVY QUARK MASS DEPENDENCE: m_c, m_b ERROR SETS

  - LO PDFS

  - NUCLEAR PDFS

- THEORETICAL UNCERTAINTIES ON PDFS?

  - NLO-NNLO COMPARISON

  - SCALE VARIATION

  - CACCIARI-HOUDEAU

- ADDITION OF NEW PDF SETS TO THE COMBINATION?

  - WEIGHTED AVERAGING (HERAPDF?)

  - LESS COMPATIBLE SETS (ABM)