

Contribution submission to the conference München 2009

Determination of parton density functions using Monte Carlo generators — FEDERICO VON SAMSON-HIMMELSTJERNA and •MARTIN VON DEN DRIESCH — FH1, DESY, Notkestr.85, 22607 Hamburg

We present a new determination of parton density functions (PDFs) which can be used in Monte Carlo Generators (PDF4MC). The MC is used to predict F_2 and F_2^c and the predictions are fitted to HERA-DIS-data by varying the parameters of the gluon- and sea-quark-PDFs. Furthermore the influence of parton showers on the results is investigated. In this talk the approach will be introduced in detail and a comparison of the obtained PDFs with PDFs provided by CTEQ will be given.

Part: T
Type: Vortrag;Talk
Topic: 2.2 QCD Partonstruktur (Exp.)
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