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CTEQ-TEA Monte-Carlo replica PDFs

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We present CT14 Monte-Carlo replica PDFs that reproduce important properties of CT14 Hessian PDFs: the asymmetry of CT14 uncertainties and positivity of individual parton distributions. The ensembles of CT14 Monte-Carlo replicas constructed this way at NNLO and NLO are suitable for various collider applications, such as cross section reweighting.

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