

XXIV International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS16)



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The atmospheric prompt neutrino flux revisited

Thursday 14 April 2016 11:00 (15 minutes)

I will present a state-of-the-art prediction for the prompt atmospheric neutrino flux in the framework of perturbative QCD. The calculation was performed using a gluon PDF constrained at small- x by the inclusion of charm production measurements from the LHCb experiment at 7 TeV, and recently validated with the corresponding 13 TeV data [arXiv:1511.06346, arXiv:1506.08025]

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