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Isolated photon production in the Parton Reggeization Approach with real NLO corrections

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We study isolated photon production in the Parton Reggeization Approach with NLO corrections originated from subprocesses of additional parton emissions. Two matching schemes are tested. The first one is based on K_t -ordering of emitted partons during K_t -dependent evolution, the second one applies rapidity-ordering for factorization of real parton emissions. We compare our predictions for transverse momentum spectra of isolated photons measured at the LHC.

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