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Measurement of isolated photon R_AA at high pT in PbPb collisions at 2.76TeV with CMS

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Isolated photon production is measured in pp and PbPb collisions at nucleon-nucleon center-of-mass energies of 2.76 TeV in the pseudorapidity range |eta| < 1.44 and transverse energies ET between 20 and 80 GeV with the CMS detector at the LHC. The measured ET spectra are found to be in good agreement with NLO perturbative QCD predictions. The ratio of PbPb to pp isolated photon ET-differential yields, scaled by the number of incoherent nucleon-nucleon collisions, is consistent with unity for all PbPb reaction centralities.

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