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Broadening and saturation effects in dijet azimuthal correlations in p-p and p-Pb collisions at $\sqrt{s_{NN}}= 5.02$ TeV

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We demonstrate that the recent forward-forward dijet correlation data measured by the ATLAS collaboration for proton-proton and proton-lead collisions are consistent with the broadening effects due to both the gluon saturation and the resummation of large logarithms of the hard scale (the so-called Sudakov logarithms). We find that both effects are necessary to describe the experimental results.

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