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## DPS in pA collisions at LHC revisited

### Abstract

We present results on two dijets,  $W_{jj}$ , and  $Z_{jj}$  production via double parton scattering in pA collisions at the LHC. We perform the analysis at leading and for the case of  $Z_{jj}$  next-leading order accuracy with different sets of cuts on jet transverse momenta and accounting for the single parton scattering background. By exploiting the experimental capability to measure the centrality dependence of the cross section, we discuss the feasibility of DPS observation in already collected data at the LHC and in future runs.

The talk is based on our recent papers:

1. B. Blok, F.A. Ceccopieri  
Published in: Eur.Phys.J.C 80 (2020) 8, 762
2. B. Blok, F.A. Ceccopieri  
Published in: Phys.Rev.D 101 (2020) 9, 094029
3. . B. Blok, F.A. Ceccopieri  
Published in: : Eur.Phys.J.C 80 (2020) 3, 278

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