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Measurement of Nuclear Modifications of Jets in pPb collisions at $\sqrt{s} = 5.02$ TeV with ALICE at the LHC[1] CHRIS YALDO, Wayne State University, ALICE COLLABORATION — In heavy-ion collisions it is important to distinguish between initial and final state effects, and to estimate cold nuclear matter effects (CNM) on jet production. A crucial reference is the jet nuclear modification factor (RpPb) in pPb collisions at $\sqrt{s} = 5.02$ TeV at the LHC. Jets in ALICE are reconstructed combining information from the Time Projection Chamber (TPC), Inner Tracking System (ITS), and the Electromagnetic Calorimeter (EMCal) to measure the charged and neutral jet constituents. Measurements of the inclusive differential cross section in pPb collisions and the jet RpPb will be presented. The ratios of jet cross-sections for various radii, which is sensitive to the jet shape, will be discussed and compared to pp and pQCD calculations.

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