

Abstract Submitted
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Glasma and the Ridge at LHC¹ SEAN GAVIN, Wayne State University, GEORGE MOSCHELLI, Frankfurt Institute for Advanced Studies — Nuclear collision experiments exhibit long-range rapidity correlations. Specifically, two-particle correlation measurements show a ridge-like enhancement at small relative azimuthal-angle that extends over a wide pseudorapidity range. Similar ridge structures are observed in correlations of particles associated with a jet trigger (the hard ridge) as well as correlations without a trigger (the soft ridge). We argue that these structures are introduced when particles formed in an early Glasma stage later manifest transverse flow. We present new predictions for the ridge in PbPb, at 2.76 TeV as well as pp at 7 TeV. We also discuss how these results may be interpreted in terms of triangularity v_3 .

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