

Abstract Submitted  
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**Measurement of the Azimuthal Anisotropy of Charged Particle  
Production in Xe+Xe Collisions at 5.44 TeV with the ATLAS Detector<sup>1</sup>**

PENGQI YIN, Columbia University, ATLAS COLLABORATION — ATLAS measurements of flow harmonics ( $v_n$ ) and their fluctuations in Pb+Pb and Xe+Xe collisions covering a wide range of transverse momenta, pseudorapidity and collision centrality are presented. The  $v_n$  are measured up to  $n = 7$  using the two-particle correlations, multi-particle cumulants and scalar product methods. The measurements are also performed using non-flow subtraction techniques – recently developed for measurements in proton-nucleus and proton-proton collisions – to improve the understanding of flow in peripheral Pb+Pb and Xe+Xe collisions. The effects of geometric fluctuations and of viscous effects, both of which are stronger in the smaller Xe+Xe system are demonstrated. A universal scaling in the transverse-momentum dependence of the  $v_n$  is observed for both systems.

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