Abstract Submitted for the DNP11 Meeting of The American Physical Society

Estimates of the non-flow contribution in Pb-Pb flow analysis using two-particle correlations in pp with the ALICE detector at the LHC VERA LOGGINS, Wayne State University — Two-particle azimuthal correlations are statistically the most precise method for measuring anisotropic flow in heavy-ion collisions. The main drawback of this method is its strong sensitivity to non-flow correlations which, unlike real flow, do not have a geometrical origin. Non-flow contributions can be estimated from two-particle azimuthal correlations using ppdata. We report measurements using the  $\langle u^*Q \rangle$  method applied to pp collisions at  $\sqrt{s} = 2.76$  TeV and  $\sqrt{s} = 7$  TeV. We study the dependence of correlations on two-particle separation in pseudorapidity in order to find the separation which minimizes the correction without sacrificing the statistics too much. Measurements are performed for first to fifth harmonics.

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Date submitted: 21 Jun 2011

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