Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Measurement of Collins Asymmetries in the inclusive production of hadron pairs ISABELLA GARZIA, INFN Sezione di Ferrara, BABAR COLLABORATION — Transversity distribution, which describes the quark transverse polarisation inside a transversely polarised nucleon, is the last leading-twist missing piece of the QCD description of the partonic structure of the nucleon. Transversity can be extracted from semi-inclusive deep inelastic scattering data, where, however, it couples to a new, unknown fragmentation function, called Collins function. We present a measurement of the azimuthal asymmetries in the process $e^+e^- \to \pi\pi X$ (inclusive hadron production), in which the two pions are produced in opposite hemispheres, based on the full *BABAR* data sample. The Collins function is extracted from the measured asymmetries.

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Date submitted: 16 Oct 2009 Electronic form version 1.4