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Transversity and Collins functions: from e+e- to SIDIS processes

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We present a global analysis of azimuthal asymmetries in eˆ+eˆ- -> h_1 h_2 X processes (BELLE data) and in semi-inclusive deep inelasticscattering (HERMES and COMPASS data). It results in the extraction of the Collins fragmentation function and of the transversity distribution function for u and d quarks. Theseturn out to have opposite signs and to be sizably smaller than their positivity bounds. Predictions for the azimuthal asymmetry A_{UT}ˆ{\in(phi_h + phi_S) for polarized proton target at JLAB and COMPASS experiments are give

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