

Measurements of $\Delta G/G$ from high transverse momentum hadrons pairs in COMPASS

Tuesday 8 April 2008 09:40 (20 minutes)

A new COMPASS value of $\Delta G/G$, obtained from high transverse momentum hadrons pairs in the $Q^2 > 1$ (GeV/c)² region is presented. The statistical error of $\Delta G/G$ (≈ 0.094) is reduced by a factor 3 in comparison to the previous analysis in the same kinematic region. The new measurement is based on a neural network approach using weighted events. In addition the formula used for the extraction of $\Delta G/G$ has been updated and the contributions coming from the leading order or the QCD Compton processes are no longer neglected. Finally the results obtained for the $Q^2 < 1$ (GeV/c)² region are also presented.

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Session Classification: Spin Physics Working Group

Track Classification: Spin Physics