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Analysis of gluon polarisation for single hadron production with high-pT hadrons in the low Q2 HIROKI MATSUDA, TAKAHIRO IWATA, Yamagata University, SHIGERU ISHIMOTO, KEK, HAJIME SUZUKI, Chubu University, NORIHIRO DOSHITA, GENKI NUKAZUKA, Yamagata University, NAOAKI HORIKAWA, Chubu University, TATSURO MATSUDA, Miyazaki University, KAORI KONDO, YOSHIYUKI MIYACHI, Yamagata University — We present recent COMPASS result on gluon polarisation. We recently analysed longitudinal double spin asymmetry $A_{LL}(p_T)$ for single hadron production with high-p_T hadrons in the low Q^2 regime using all COMPASS data. LiD and NH3 were used as polarized deuteron and proton targets. The asymmetries, which are almost consistent with zero, are compared to theoretical predictions with various ΔG hypotheses.

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