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New results on the proton spin-dependent structure function g_{1p} at COMPASS with $E=200$ GeV

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New results of the double spin asymmetry A_{1p} and the spin-dependent structure function of the proton g_{1p} as a function of x_{Bj} and Q^2 will be presented. New COMPASS data on longitudinal polarized NH_3 target were collected during the year 2011 with beam of positive muons with energy $E = 200$ GeV. It allows us to cover low x region down to 0.025 in the range $Q^2 > 1 \text{ GeV}/c^2$ for the first time.

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