

Polarization of hyperons produced by meson beams

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In this work, we consider the transverse polarization (PN) of Λ -hyperons and the corresponding antihyperons, which are produced in meson-proton and meson-nuclear interactions in inclusive reactions. The currently available experimental data are compared with calculations based on the chromomagnetic polarization of quark (CPQ) model. Calculations based on the CPQ model have also been performed for yet unexplored kinematic regions and various targets and can be verified in the SPASCHARM experiment at the NRC Kurchatov Institute - IHEP.

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