

PRODUCTION CROSS SECTION OF Λ - AND $\bar{\Lambda}$ -HYPERONS IN PROTON-NUCLEUS INTERACTIONS AT 920 GeV ON CARBON, TITANIUM AND TUNGSTEN TARGETS

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Inclusive cross section for the production of Λ - and $\bar{\Lambda}$ -hyperons in proton-nucleus interactions at 920 GeV on carbon, titanium and tungsten targets are investigated. Differential cross sections as a function of Feynman-x (x_F) and transverse momentum square (p_t^2) were studied. The atomic mass number (A) dependence of total production cross sections in negative x_F region ($-0,12 < x_F < 0$) are presented.