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SPolarization in exclusive pp reactions from the FNAL e690 experiment

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Abstract content

It is an experimental evidence that all baryons are created polarized from unpolarized p-nucleus collisions. So far, the origin of this polarization remains unexplained in spite of the experimental evidences accumulated in the past thirty years. Up to these days, Λ is the most studied baryon for polarization, for it is copiously produced in p-nucleus collisions at the energies of the principal high energy physics accelerators of the world. This speech is a overview of the experimental evidences accumulated on the polarization of Λ from unpolarized exclusive pp collisions as function of x_F , P_T , and $M(\Lambda K^+)$ in the past fifteen years inside Fermilab e690 experiment, in the particular reactions $[p, p], [p, p], [p, p]$, produced at 800 GeV.

Summary

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