



Contribution ID : 58

Type : **not specified**

## SPolarization in exclusive pp reactions from the FNAL e690 experiment

*Tuesday, 7 October 2008 18:30 (0:30)*

### 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,  $\Lambda$  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  $\Lambda$  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  $[p\bar{p}]$ ,  $[p\pi^+]$ ,  $[p\pi^-]$ , produced at 800 GeV.

### Summary

**Primary author(s) :** Dr. FELIX, Julian (IF-UG)

**Presenter(s) :** Dr. FELIX, Julian (IF-UG)

**Session Classification :** Hadronic Physics