

# XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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## $\Lambda$ Polarizing Fragmentation Function from Belle $e^+e^-$ data

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Experimental data from Belle Collaboration for the transverse polarization of  $\Lambda$ 's measured in  $e^+e^-$  annihilation processes are used to extract the polarizing fragmentation function (FF) within a TMD approach. We consider both associated and inclusive  $\Lambda$  production, showing a quite consistent scenario. Good separation in flavor is obtained, with four independent FFs. Predictions for SIDIS processes at EIC, crucial for understanding their universality and evolution properties, are also presented.

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