# Polarization in strange and heavy–flavor baryon production

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**Abstract**

A sizable polarization of hyperons produced at high energy has been known for a long time and has been interpreted with various theoretical models in terms of the constituents' spin. New results on hyperon production measured recently at Fermilab with polarized beams indicate that the mechanisms of spin dependence are more complex than those considered in current models and revive interest in the measurements of polarization effects in strange and heavy–flavor baryons. The contribution will give a survey of the present experimental status of the subject, in comparison with current model predictions and will highlight new theoretical and experimental ways to further test the underlying mechanisms of polarization dependence in strange and heavy–flavor baryon production.