

# **NEW RESULTS OBTAINED WITH TRANSVERSELY POLARIZED PROTONS IN P-P COLLISIONS AT RHIC**

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## **Summary**

STAR has released new mid-rapidity measurements of: the Collins effect in jets, interference fragmentation functions (IFFs) and the first clear signatures of quark transversity in p+p collisions at RHIC. Knowledge about Transversity Distributions is essential for a complete picture of the spin structure of the protons. In proton-proton collisions, the spin dependent azimuthal distributions of hadrons inside of jets is sensitive to the convolution of the transversity and Collins distributions. Existing asymmetry measurements obtained prior to year 2012 will be presented. These measurements are limited by statistical and systematic errors. They will be improved substantially in the future.

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