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Polarized hadronization in Pythia

Tuesday 1 October 2024 10:20 (20 minutes)

The status of the implementation of spin effects in the Pythia hadronization via the StringSpinner package is reviewed. The package is then used for simulations of e+e- annihilation, and the resulting Collins asymmetries for back-to-back hadrons are shown and compared with the BELLE and BABAR data. The Collins analyzing power resulting from the string+3P0 model is extracted and compared to phenomenological results.

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