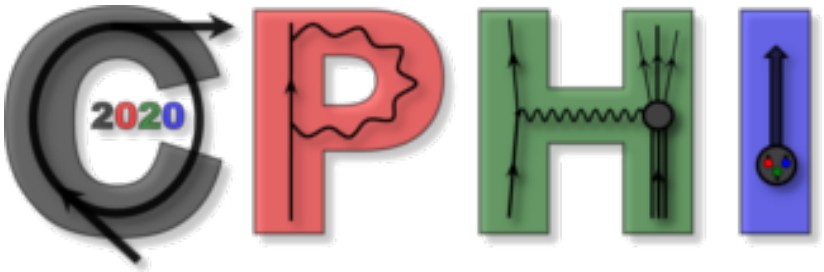

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Inclusion of vector meson production in the Monte Carlo simulation of polarized quark fragmentation

Tuesday 4 February 2020 11:10 (25 minutes)

A very recent extention of a stand alone Monte Carlo simulation program of polarized quark fragmentation is presented. The initial program, implementing the recursive string+3P0 model, was restricted to the production of pseudoscalar mesons. The extension incorporates vector mesons, for the first time in accordance with quantum rules for spin.
The effects on observables like Collins and di-hadron transverse spin asymmetries are shown.

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