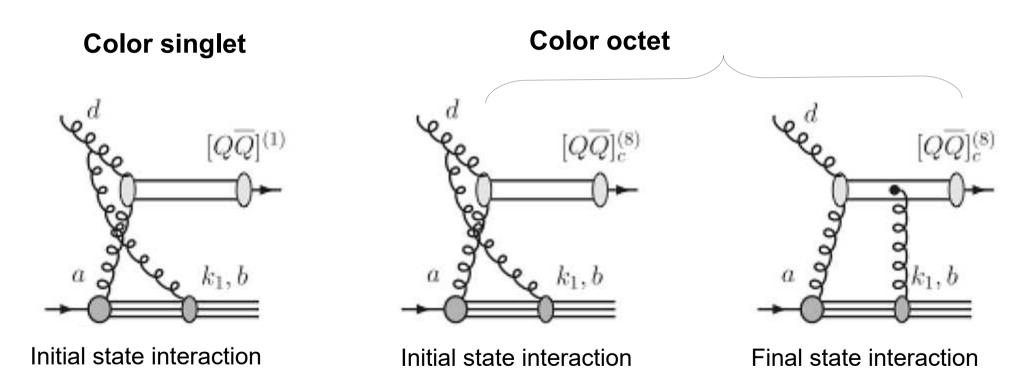
J/psi with NPS/CPS: transverse proton spin asymmetries (Erik Wrightson, Tyler Schroeder, Marie Boër)

Goal: J/psi production mechanism near threshold 2 gluons, 3 gluon exchange? Pomeron?

What did we learned from pp collisions : Sensitive to production mechanism: only color singlet produce non zero A<sub>N</sub>



Similar effect expected in exclusive reaction near threshold?

- Energy dependent production mechanisms
- Expected 3 gluon exchange dominance at JLab
- \* Using model Brodsky & al. for JLab projections Generator tuned for JLab & EIC energies with « manual » tuning for dominant cross section, « user choice » parametrizations (pdf...) (credit : Tyler Schroeder, summer student REU)

Erik's work this year: updating this code and tuning for JLab projections, simulations

## Our goals

- similar setup as for TCS
- use of new target magnet : extended acceptance at large angles
- realistic projection to see if an experiment can be done

