Gluon TMDs from quarkonium pair production at the LHC

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The feasibility of extracting information on gluon Transverse-Momentum Dependent (TMD) parton distributions, in particular the distribution of linearly polarized gluons, is discussed for the production of quarkonium pairs in proton collisions. Evidences are presented that azimuthal modulations of the cross section, caused by linearly polarized gluons, may be larger for a quarkonium pair in the final state, compared to other final states. Numerical estimates for the azimuthal modulations are presented as well.

Author: SCHLEGEL, Marc (New Mexico State University)

Co-authors: LANSBERG, Jean-Philippe (IPN Orsay, Paris Sud U. / IN2P3-CNRS); Dr PISANO, Cristian (University of Pavia); SCARPA, Florent (IPN Orsay - Paris-Sud U. - CNRS/IN2P3)

Presenter: SCHLEGEL, Marc (New Mexico State University)