ROUND TABLE

Quarkonia as Tools to access/learn on

gluon (and quark) TMDs

Spin-kT effects

- TMD factorization for quarkonia production (breaking effects for color singlet/octet states) (Makris,…)

- TMD shape functions, LDMEs (within a TMD scheme at low pT?), their universality: impact on gluon/quark TMD phenomenology

- Matching TMD with collinear scheme (shape functions?) (Taels)

- TMD vs kT factorization vs parton branching (Bertone, Boussoire)

- unpolarized x-secs and transverse spin asymmetries; which processes are safe(r)? Phenomenology?

- Experiment: hh Fixed target (Massacrier talk) vs ep collider [EIC] (Qiu)

- quarkonia polarization: help from TMDs?