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# Accessing gluon TMDs with quarkonium production

*Friday, 3 June 2016 10:00 (30 minutes)*

I will discuss the opportunities offered by the study of single, double and associated quarkonium production in hadronic collisions in order to access gluon TMDs. I will argue that, at the LHC, with unpolarised nucleons, the distributions of linearly polarised gluons, h_1ˆperp,g, is already accessible with various data on tape. I will the discuss the case of low pT C=+1 quarkonia which can be studied with LHCb or AFTER@LHC. Finally, I will present the prospects to access the gluon Sivers effect via single transverse spin asymmetries in quarkonium production.

**Presenter:** LANSBERG, Jean-Philippe

**Session Classification:** Talks