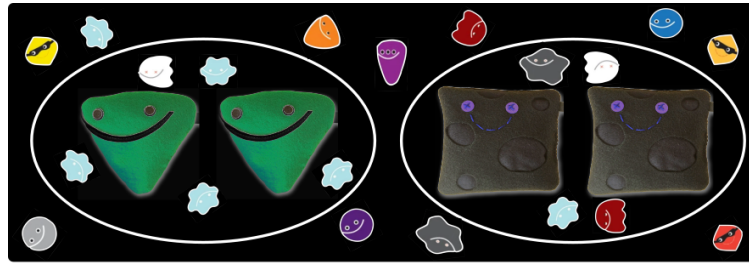


## Quarkonia meet Dark Matter



Contribution ID: 9

Type: not specified

# Quarkonium production in pp and heavy ion collisions

*Wednesday, 16 June 2021 21:40 (40 minutes)*

I will review the Non-Relativistic Quantum Chromodynamics (NRQCD) factorization formalism for the calculation of quarkonia production and decays. I will discuss the current status of quarkonium production in pp collision, highlighting successes and pointing out outstanding problems. I will then discuss a theoretical approach to deriving transport equations for quarkonia in the quark-gluon plasma using open quantum systems and effective field theory.

**Presenter:** MEHEN, Tom

**Session Classification:** Main program