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## Heavy flavor/quarkonium production at the LHC

*Wednesday 10 April 2019 08:30 (35 minutes)*

We review theoretical approaches to heavy flavor and quarkonium production mechanisms in hadron colliders. We discuss the application of the factorization theorem to heavy flavor production, and introduce implementations of the formalism in phenomenological calculations. For heavy quarkonium production, we give an overview of various production mechanisms, including phenomenological models and nonrelativistic effective field theory calculations.

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