

## TMDs at Hadron Colliders

*Wednesday, 21 June 2023 09:00 (30 minutes)*

The turn-on of high energy hadron colliders, such as RHIC and the LHC, have created a new arena for the study of TMDs. The collisions of protons over a wide range of center-of-mass energies allow for tests of universality and factorization as well as the study of evolution effects. The wide-acceptance and variety of technologies featured in typical collider detectors have paved the way for the simultaneous measurement of a variety of observables, including inclusive hadrons, jets and W/Z bosons. This talk will provide a broad survey of TMD results, focusing on the most recent spin-dependent and spin-integrated TMD measurements from RHIC and the LHC. Special attention will be paid to opportunities for future measurements in the forward region at RHIC and their connection to the TMD program at the future EIC.

**Primary author:** FATEMI, Renee (University of Kentucky)

**Presenter:** FATEMI, Renee (University of Kentucky)

**Session Classification:** Session I