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## Status of TMD studies at CLAS12

*Tuesday 23 September 2025 17:25 (25 minutes)*

The status of several CLAS12 semi-inclusive deep inelastic scattering measurements sensitive to TMDs, including several new results from a 10.5 GeV longitudinally polarized electron beam incident on a longitudinally polarized target, will be discussed. These measurements will be placed into context of the global study of TMDs with a particular focus on areas where CLAS12 and other fixed target experiments may be in friction with phenomenology, including effects from longitudinally polarized virtual photons, current vs target fragmentation and the contribution of diffractive vector mesons.

**Author:** HAYWARD, Timothy (MIT)

**Presenter:** HAYWARD, Timothy (MIT)

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