

The role of multi-D approach in TMD studies: COMPASS experience

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From 2002 to 2022, the COMPASS collaboration performed a series of nucleon spin structure measurements employing high-energy muon beams impinging on polarized targets.

Over the years, the experiment has become a pivotal contributor to the investigation of parton transverse momentum-dependent (TMD) phenomena.

This presentation will focus on selected highlights of the COMPASS TMD programme, with particular emphasis on aspects that require a multi-dimensional approach.

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