

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

*Tuesday, 10 December 2024 09:50 (15 minutes)*

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.

**Presenter:** PARSAMYAN, Bakur (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Hadronization and Transverse Momentum