

XXIV International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS16)



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Polarised Drell-Yan Process in the COMPASS Experiment

Tuesday, 12 April 2016 15:00 (15 minutes)

The COMPASS experiment at CERN has been contributing to the knowledge on the nucleon structure, and its description in terms of the Transverse Momentum Dependent Parton Distribution Functions (TMD PDFs), accessed through the SIDIS process. In 2014/2015 the data taking was dedicated to the polarised Drell-Yan (DY) measurement with a negative pion beam and a transversely polarised proton target, as well as unpolarised nuclear targets. These data are now being analysed. The predicted sign change in the Sivers distribution when accessed from DY with respect to SIDIS will be measured. The details on the experimental setup, the covered phase space, a preliminary first look into data distributions and predictions for the full data sample will be presented.

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