



Contribution ID: 186

Type: **not specified**

Polarized Drell-Yan at COMPASS

Thursday, 1 September 2016 17:30 (20 minutes)

The COMPASS experiment at CERN took the first ever polarized Drell-Yan data in 2015. The muon pairs originating from pion induced collisions provide a way of accessing the transverse momentum dependent parton distribution functions of the nucleon. The study of the azimuthal spin asymmetries in Drell-Yan complements a wealth of results already obtained from transversely polarized semi-inclusive deep inelastic scattering at COMPASS.

The first results from the polarized Drell-Yan measurements will be shown in the context of the previously obtained SIDIS results. The expected impact of these data will be discussed, as well as prospects for future Drell-Yan related studies.

Summary

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Session Classification: Section B

Track Classification: Section B: Light Quarks