



Contribution ID: 288

Type: not specified

## Polarized Drell-Yan measurements at COMPASS

*Wednesday, 5 April 2017 11:40 (20 minutes)*

The COMPASS experiment at CERN, as part of its programme addresses the exploration of the transverse spin structure of the nucleon by measuring spin (in)dependent azimuthal asymmetries in semi-inclusive DIS and, recently, also in Drell-Yan processes. Between 2002 and 2010 COMPASS performed a series of SIDIS measurements, using a longitudinally polarized muon beam impinging on transversely polarized  ${}^6\text{LiD}$  or  $\text{NH}_3$  targets. Drell-Yan measurements with a  $\pi^-$  beam interacting with a transversely polarized  $\text{NH}_3$  target started with the 2015 run and will be continued in 2018. The measurement of the Sivers and other azimuthal asymmetries at practically the same hard scale in polarized SIDIS and Drell-Yan at COMPASS provides a unique possibility to test predicted in QCD (pseudo-)universal features of transverse momentum dependent parton distribution functions. The main focus of this talk will be set on the results of the first ever polarized Drell-Yan measurements performed by COMPASS and related SIDIS results.

**Primary author:** PARSAMYAN, Bakur (University of Turin and INFN (IT))

**Presenter:** PARSAMYAN, Bakur (University of Turin and INFN (IT))

**Session Classification:** WG6 Spin and 3D Structure

**Track Classification:** WG6) Spin and 3D Structure