

Status of the COMPASS Experiment

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The COMPASS Experiment at CERN has a broad physics program aiming at investigating hadron spin structure and spectroscopy. Presently its main goal is the first direct measurement of the gluon polarization $\Delta G/G$ from the asymmetry in open charm production by the photon gluon fusion process.

COMPASS is collecting polarized DIS data since a few months using the 160 GeV/c μ^+ beam of the CERN SPS, a LiD target and a two stages spectrometer, commissioned in 2001, with high resolution tracking, calorimetry and particle identification, capable of standing high event rates.

The performances of the apparatus during the run of year 2002 will be described, the status of the data analysis will be discussed and physics signals will be presented.