



Contribution ID: 3

Type: **not specified**

Polarized Atomic Hydrogen Target at MESA

Thursday, 26 September 2019 11:20 (20 minutes)

One aim for the new electron accelerator MESA is to measure the weak mixing angle in electron proton scattering to a precision of 0.14 %. The beam polarization significantly contributes to this measurement. The Møller polarimeter proposed by V. Luppov and E. Chudakov opens the way to reach a sufficiently accurate determination of polarization. At the moment the polarized atomic hydrogen target is under construction. The current R&D status is presented.

Summary

Primary author: Dr TYUKIN, Valery (KPH, JGU Mainz, Germany)

Presenter: Dr TYUKIN, Valery (KPH, JGU Mainz, Germany)

Session Classification: Polarimetry

Track Classification: Polarimetry