

Contribution ID: 75

Type: **Parallel Sessions**

Status of the Polarized Atomic Hydrogen Target at MAMI & MESA

Wednesday, 12 September 2018 17:40 (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 status and significant change in design is presented.

Primary author: Dr TYUKIN, Valery (Inst. of Nuclear Phys, University Mainz, Germany)

Presenter: Dr TYUKIN, Valery (Inst. of Nuclear Phys, University Mainz, Germany)

Session Classification: Acceleration, Storage and Polarimetry of Polarized Beams

Track Classification: Acceleration, Storage and Polarimetry of Polarized Beams