

Contribution submission to the conference Aachen 2019

Electrostatic deflector development — •KIRILL GRIGORYEV and CHRISTIAN KÄSEBERG for the JEDI-Collaboration — Institut für Kernphysik, Forschungszentrum Jülich, Deutschland

The direct measurement of the proton or deuteron Electric Dipole Moment (EDM) has never been performed before. These experiments can be done at electrostatic storage ring. As a starting point the magnetic storage ring COSY at Forschungszentrum Jülich can be used. It will require implementation of the electrostatic or electromagnetic beam-bending elements. For testing the electrodes material, shape, surface treatment and high voltage, a real size large deflector is developed and will be checked in a magnetic field of a large-gap dipole magnet. The experimental setup and the laboratory test results will be presented.

Part: T
Type: Vortrag;Talk
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