

Contribution submission to the conference Dresden 2017

Electrostatic deflector development for JEDI — ●KIRILL GRIGORYEV — III. Physikalisches Institut B, RWTH Aachen

The direct measurement of the proton or deuteron Electric Dipole Moment (EDM) has never been performed before. These experiments can be done at storage rings. As a starting point for a first measurement, the pure magnetic storage ring COSY at Forschungszentrum Jülich can be used. A dedicated storage ring will require pure electric or combined electric and magnetic deflection elements.

For testing the electrode material, shape, surface treatment and high voltage tests, a new laboratory was set up at RWTH Aachen. The experimental setup and results of the tests will be presented.

The talk will be given on behalf of the JEDI collaboration.

Part: AKBP
Type: Vortrag;Talk
Topic: Diagnostics, Control and Instrumentation
Email: grigoryev@physik.rwth-aachen.de