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  
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