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Recent Progress of the JEDI Collaboration — •Martin Gaisser on behalf of the JEDI collaboration — III. Physikalisches Institut B, RWTH Aachen University

The CP violation known from the Standard Model is not sufficient to describe the observed matter over anti-matter dominance in our universe. Electric Dipole Moments (EDMs) of elementary particles, including hadrons, are one of the most powerful tools to search for additional CP violation. Up to now experiments concentrated on neutral systems, namely neutron, atoms and molecules. Storage rings offer the possibility to measure EDMs of charged particles. The Jülich Electric Dipole Moment Investigation (JEDI) collaboration intends to measure the electric dipole moment of charged hadrons. The talk describes the experimental challenges and recent progress made at the COoler SYnchrotron (COSY) in Jülich.

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