

Abstract:

A discovery of the Electric Dipole Moments (EDMs) of elementary particles at the level above Standard Model's predictions will be a clear evidence of significant CP-violation, which is needed for explanation of the apparent matter-antimatter asymmetry of our universe.

At present, experiments on measuring of proton's and deuteron's EDMs at storage rings with lower limit of $10E-29$ e*cm are under preparation in BNL and FZ-Juelich.

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"Search for Electric Dipole Moments (EDMs) at Storage Rings"