

How round is the electron? Looking for an asymmetry of  $10^{-15}$  femtometers

Title: How symmetric is the electron? Looking for out-of-roundness of  $10^{-15}$  femtometers.

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Abstract: The electron's electric dipole moment (eEDM) will be sensitive to particle physics beyond the standard model. We make use of the extreme electric fields found within a molecular bond to pursue an experiment to set a new limit on eEDM at a level that should severely constrain supersymmetric models.