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Abstract for an Invited Paper for the DAMOP17 Meeting of the American Physical Society

Electric Dipole Moments: A Look Beyond the Standard Model¹

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Searches for the permanent electric dipole moments of atoms, nucleons, and nuclei provide one of the most powerful probes of CP-violation beyond the Standard Model. I survey the opportunities for discovering BSM CP-violation with the present and next generation EDM searches; discuss the complementary of searches using different systems; and highlight the implications of these searches for explaining the origin of the cosmic matter-antimatter asymmetry.

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