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Abstract for an Invited Paper for the SES17 Meeting of the American Physical Society

Frontiers and Perspectives in Low-Energy Fundamental Symmetry Tests¹ SUSAN GARDNER, Univ of Kentucky

Low-energy experiments can identify physics beyond the Standard Model (SM), through either the observation of an unexpected breaking of its symmetries or that of a significant departure from a precise SM prediction. I will focus on the former, drawing a suite of examples from the precision frontier, including studies of hadron decays and searches for permanent electric dipole moments, and show how they, taken in aggregate, can speak to a bigger picture.

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