

Abstract Submitted
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Classical Light Bending in the SME Framework RHONDALE TSO,
QUENTIN BAILEY, Embry-Riddle Aeronautical University — Classical light bending is investigated in weak gravitational fields based on the framework of the Lorentz-violating Standard- Model Extension (SME). We derive a modified deflection angle with anisotropic features that are characteristic of deviations from Lorentz Symmetry. In this talk, we also discuss methods to measure this deflection angle with current light-bending tests.

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