

Abstract Submitted
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Astrophysical Searches for Lorentz Violation MATTHEW MEWES,
Marquette University, ALAN KOSTELECKY, Indiana University — Observations
of photons from cosmologically distant objects yield some of the most stringent con-
straints on deviations from perfect Lorentz symmetry in nature. General violations
of Lorentz invariance are described by the Standard-Model Extension, which pre-
dicts birefringence of light in vacuo. This talk will discuss results of recent searches
for birefringence in light that has propagated over cosmological distances.

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