

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

Lorentz Violation and Post-Newtonian Gravity QUENTIN G. BAI-
LEY, V. ALAN KOSTELECKY, Indiana University — One possible experimental
signature for Planck-scale physics is the discovery of Lorentz- and CPT-symmetry vi-
olation. The observable effects at low energies are described by the Standard-Model
Extension (SME). This talk focuses on the Riemannian limit of the gravitational
sector of the SME. We discuss some of the associated phenomenology in the post-
Newtonian regime.

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Date submitted: 12 Jan 2005

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