

Abstract Submitted  
for the OSS05 Meeting of  
The American Physical Society

**The Lorentz-Violating Post-Newtonian Expansion** QUENTIN G. BAILEY, V. ALAN KOSTELECKY, Indiana University — The possibility that Lorentz violation offers a signature of Planck-scale physics has motivated recent experimental searches. At accessible energy scales any effects must be described by the Standard-Model Extension (SME). In this talk, I focus on the gravitational sector of the SME. Dominant solar-system effects are discussed in the context of a post-Newtonian expansion.

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Date submitted: 16 Mar 2005

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