

Abstract Submitted
for the OSF13 Meeting of
The American Physical Society

Tests of Lorentz and CPT symmetry using two-fermion atoms

ARNALDO VARGAS, V. ALAN KOSTELECKY, Indiana University — Lorentz and CPT symmetry are foundational properties of both Special and General Relativity and are key features of our best existing physical theories. Tiny deviations from exact symmetry offer potential signals from the expected unified theory combining quantum physics and gravity. In this talk, I will discuss the prospects for studying signals for Lorentz and CPT violation using spectroscopic experiments with two-fermion atoms.

Arnaldo Vargas
Indiana University

Date submitted: 27 Aug 2013

Electronic form version 1.4