

Abstract Submitted
for the 4CF06 Meeting of
The American Physical Society

Searching for photon rest-mass with ion interferometry DAN CHRISTENSEN, BRIAN NEYENHUIS, ROSS SPENCER, DALLIN DURFEE, Brigham Young University — We will discuss a proposed scheme to search for a non-zero photon rest mass. This scheme could be more than 100 times more sensitive than previous experiments. The experiment would use an ion interferometer to search for variations in Coulombs inverse-square law predicted by the Proca equation. Analytical and numerical computations will be presented.

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Date submitted: 08 Sep 2006

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