

Abstract Submitted
for the SES14 Meeting of
The American Physical Society

Single Photon diffraction and interference JOHN HODGE, Retired

— A previous paper studied photon diffraction and interference required several photons in the experiment at the same time. Interference experiments with intensity of light low enough that only one photon was in the experiment at a time have also showed interference patterns. The previous paper that used the Bohm Interpretation, models of the screen and mask, and the Transaction Interpretation of Quantum Mechanics are combined. The Transaction Interpretation provides a reflected plenum wave that is much faster than the speed of light rather than a reverse time wave. The current investigation is testing the resulting model with toy computer experiments. The simulations include photons from a distance, in Young's experiment, and from a laser. (<http://myplace.frontier.com/~jchodge/>)

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Date submitted: 30 Sep 2014

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