Title: The Weird World Of Quantum Mechanics - Part 2

Date: Aug 09, 2006 03:45 PM

URL: http://pirsa.org/06080021

Abstract:

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## Student activity:

- What happens if an individual photon that is polarized is incident on a filter such that the angle between the plane of polarization and the plane of the filter is
- Does the photon always pass through?
- Or does it pass through only some of the time?
- If so, then with what probability?
- What is the difference (if any) between the photons that do and do not pass through (and so are absorbed)?

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(E=111(n2) 15") PHOTON POLARIZED FILTER a= E = a2+82 c2, E= mc2 (Erminalis) VERTICALLY POLARIZED PHOTON

## Student activity:

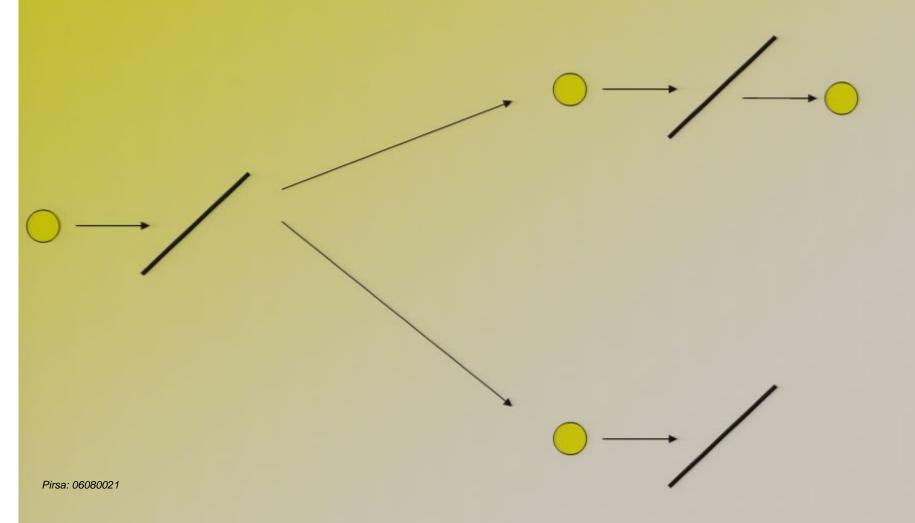
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E + 10 (0 + 15") PHOTON POLARIZED FILTER

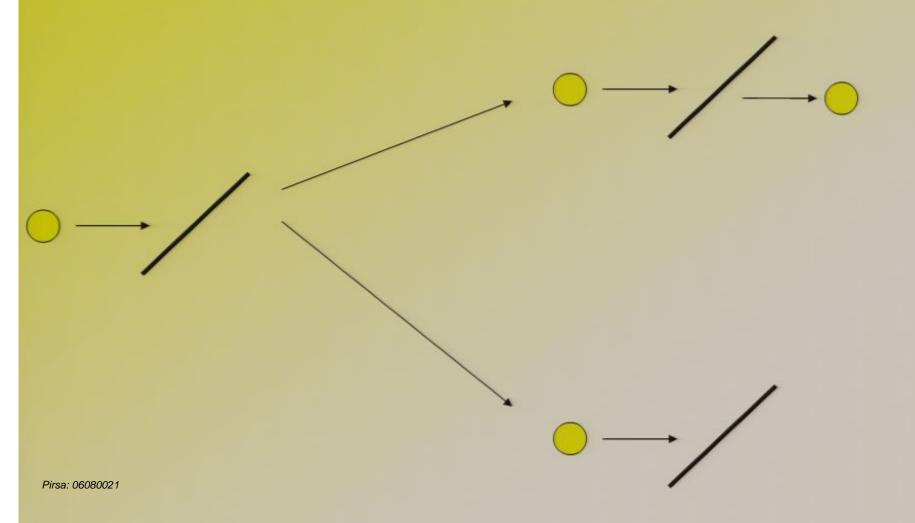
(E= m(2+6)): JERTICALLY POLARIZED PHOTONS G. int it of the

## Many worlds interpretation



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## Many worlds interpretation



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