

Re: twins versus quanta collapse

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- *From:* "N:dlzc D:aol T:com \((dlzc)\)" <dlzc@xxxxxxx>
 - *Date:* Sat, 24 Mar 2007 17:58:11 -0700
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Dear beda pietanza:

"beda pietanza" <beda-pietanza@xxxxxxxx> wrote in message
news:1174781492.834428.307320@xx

N:dlzc D:aol T:com (dlzc) ha scritto:

....

Not this bothers me about QM, but the collapse of wave function: two entangled photons where the detection of A determine the outcome of B: this, if really happens,

It does. It does FTL... and near as we can measure, instantaneously.

Now we got to the point:

premise:

Along path A a string of entangled photons is detected independently, we register a sequel of outcomes.

After many attempts the statistic fits the wave function probability distribution as expected.

Along path B a string of entangled photons is detected, many times, and this, also, fits the expected statistic.

.....

the checking:

Now along path A a sequel of photons is detected and registered; the sequel of path B, detected afterwards some distance away, results anchored to the sequel of photons A.

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And of course viceversa: if we detect along path B we determine the outcome of path A.

And this all the times we try.

conclusion:

Our immediate conclusion must be that the sequel of photons A and the sequel of photons B were generated as such from the common source.

If you say instead, that is the act of measurement on A that determine immediately (and a posteriori) the outcome of B, you exclude that they were prefixed from the moment of emission, then you have to prove it.

What is the prove that the linking takes place after the measurement and not simply (a priori) from the common source ??????????

I apologize for the redundancy and thanks for the attention.

I wish you had read what I wrote below. Because you again make the same mistake.

Two streams of entangled particles, sent "left" are spin up, sent "right" are spin down. The "left" stream is passed into a shielded, distant device to flip the spin on the particle stream contained within it. Far away in the "right" stream, for no apparent reason, and only when / if the "left" stream is flipped, the other does too.

best regards

beda pietanza

ps. on the spacetime not relevant we can discuss after we settle the above question.

It is very relevant, since you assume "separation", "difference", and "isolation" when there *is* none for quantum effects.

then there must be a hidden cause that links the two since the generation of the two entangled photons, the detection of one of the two should not have effect on the other aside to show how the

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entanglement has fixed the two from the begin.

I would submit the "hidden cause" is our forgetting the wave nature of all quantum objects. Because we assume we have "separated" the two objects, this bizarre behavior springs up. Spacetime is only a problem for macroscopic systems... quantum objects don't care for / about spacetime. "Separation" is just us measuring ourselves again, beda.

David A. Smith

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