

Re: Is State Vector Reduction a 'Process'?

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 - *Date:* Fri, 10 Jun 2005 06:22:24 +0000 (UTC)
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"Arnold Neumaier" <Arnold.Neumaier@xxxxxxxxxxxx> wrote
in message news:42A57F0D.1080800@xxxxxxxxxxxxxxxx
> joe@xxxxxxxx wrote:

[snip...]

- >> After a proper setup, the PMT (a quantum system), will measure
- >> an objective record of individual results that can be analyzed
- >> statistically and quoted in a physics journal.
- >
- > Yes. I agree fully to that.
- >
- > To repeat my quest,
- > I am looking for an explanation why this particular detector coupled
- > to a particular quantum system produces the observed erratic but
- > objective record of individual results.
- >
- > Tradition shows how to predict the properties of the resulting
- > distribution, but not how individual macroscopic results (mean
- > values of certain microscopioic current operators) are produced.
- > We observe _bursts_ of $\langle j(x,t) \rangle$ at certain times t but not at others.
- > Why?

This maybe grasping at straws but a 1/10 degree Kelvin change in temperature can sometimes play havoc with very sensitive equipment.

Otherwise, I can only suggest that: it may not be simple, but mirror copies of nature will always give correct values. If environment and calculations do not account for the odd bursts than it appears it is time to have a closer look at nature. That would be the ideal place to start from....

Best regards Joe 6/9/05

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