

**Nige Cook**

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**From:** "Nige Cook" <nigelbryancook@hotmail.com>  
**To:** "Brian Josephson" <bdj10@cam.ac.uk>  
**Sent:** 31 January 2011 15:42  
**Subject:** Re: GPtS And Absolute Simultaneity

It's the same thing. 2nd quantization quantizes the field, which induces indeterminacy (the force binding the electron to the nucleus isn't classical, so the electron is affected chaotically by field quanta).

Isn't stochastic quantum theory just the heuristic mechanism for indeterminacy in 2nd quantization? The creation and annihilation field operators cause indeterminacy.

----- Original Message -----

From: "Brian Josephson" <bdj10@cam.ac.uk>  
 To: "Nige Cook" <nigelcook@quantumfieldtheory.org>  
 Sent: Sunday, January 30, 2011 3:36 PM  
 Subject: Re: GPtS And Absolute Simultaneity

> --On 30 January 2011 12:27:00 +0000 Nige Cook <nigelbryancook@hotmail.com>  
 > wrote:  
 >  
 >> Are you actually aware that the correct mechanism for quantum  
 >> tunnelling is  
 >> 2nd quantization (quantum field theory), i.e. a Brownian motion  
 >> effect with  
 >> gauge bosons represented by air molecules?  
 >  
 > You would appear to be talking about stochastic quantum theory. I used  
 > 2nd. quantisation in my calculation.  
 >  
 > B.  
 >  
 > \* \* \* \* \* Prof. Brian D. Josephson ::::: [bdj10@cam.ac.uk](mailto:bdj10@cam.ac.uk)  
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