

# Re: Repeatability, scientific method, and probabilistic results

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*Source:* <http://sci.tech-archive.net/Archive/sci.physics/2005-05/msg03052.html>

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- *From:* "Tim Golden" <[ttppppggg@xxxxxxxxx](mailto:ttppppggg@xxxxxxxxx)>
  - *Date:* 22 May 2005 14:04:19 -0700
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I am not so sure that the line width comes from the uncertainty principle.  
Consider this quote from

Natural spectral line widths in undamped many-wave systems  
W Wonneberger  
Department of Physics, University of Warwick, Coventry CV4 7AL, UK

Begin Quote

>>From the theory of the single-mode laser it is known that the natural line width comes about by internal noise such as spontaneous emission, processes which necessitate a stochastic description.

End Quote

I suppose I am challenging your statement, though it may be defensible.

-Tim

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• *References:*

- ◆ ***Repeatability, scientific method, and probabilistic results***  
◇ *From:* Tim Golden
- ◆ ***Re: Repeatability, scientific method, and probabilistic results***  
◇ *From:* Randy Poe

- Prev by Date: ***Re: General Covariance, Principle of Equivalence, and PI***
- Next by Date: ***Re: questions – double slit***
- Previous by thread: ***Re: Repeatability, scientific method, and probabilistic results***
- Next by thread: ***Re: Repeatability, scientific method, and probabilistic results***
- Index(es):

Re: Repeatability, scientific method, and probabilistic results

- ◆ *Date*
- ◆ *Thread*