

sci.physics.relativity: Re: Energy from "nothing" – conflicts with law of preservation of energy?

## Re: Energy from "nothing" – conflicts with law of preservation of energy?

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.relativity/2004-09/3607.html>

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**From:** Barry OGrady ([god\\_free\\_jones\\_at\\_hotmail.com](mailto:god_free_jones_at_hotmail.com))

**Date:** 09/13/04

Date: Tue, 14 Sep 2004 01:30:24 +1000

On 13 Sep 2004 02:51:16 -0700, [marcus4767@canada.com](mailto:marcus4767@canada.com) (Guck) wrote:

>[twocrafts@hotmail.com](mailto:twocrafts@hotmail.com) (Tue Sorensen) wrote in message  
news:<c50450f6.0409121850.71c1286a@posting.google.com>...

>> As mentioned here:

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>> [http://www.daviddarling.info/encyclopedia/V/vacuum\\_energy\\_drive.html](http://www.daviddarling.info/encyclopedia/V/vacuum_energy_drive.html)

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>> it might be possible to extract quite large amounts of energy from the  
>> quantum vacuum of empty space itself. Does this not contradict the  
>> law of constant and conserved energy? If we could extract large  
>> amounts of such energy, wouldn't we effectively have a means for a  
>> perpetual motion machine?

>>

>> – Tue Sorensen

>

>What bothers me is the idea of charge. The fundamental charges of  
>the electron as  $-1$  and quarks as  $+2/3$  and  $-1/3$ . In the beginning of  
>the Big Bang there were obviously no charges. At some point charges  
>just appeared out of nothing. So what is a "charge" of a quark or an  
>electron  
>relative to the instant in the big bang when there were no charges?  
>What happened in spacetime? What does a charge mean to the fate of the  
>Universe?

The big bang never happened. Its just an unproven theory.

>Guck

>Gary Marcus

>[marcus4767@canada.com](mailto:marcus4767@canada.com)

–Barry

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Web page: <http://members.iinet.net.au/~barry.og>

Atheist, radio scanner, LIPD information.