

Re: What did Planck do?

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- *From:* "hanson" <hanson@xxxxxxxx>
 - *Date:* Sun, 12 Apr 2009 20:00:41 GMT
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<zzbunker@xxxxxxxxxxxx> wrote:

socratus <isra...@xxxxxxxx> wrote: What did Planck do?
Planck studied a black body and saw.
If Michelson/ Morley quantum of light, which moves
with constant speed $c=1$, falls into black body and
doesn't come back when the radiations/ thermodynamics
death of Universe must come.
Therefore, in order to save the Universe from death,
Planck decided that the Michelson/ Morley quantum
of light must radiate from the black body by quantum of
light. This quantum of light is an energy quanta.
Why?

"zz" wrote:

Why because, Planck was one those people with actual brains in the
looney 19th Century. And came to realization that black bodies are
like things in the crank literature of theoretical physics,
They're a TOUGHT EXPERIMENT, not a real physical object,
Since the "universe" the cranks were all trying to save, was
simply Maxwell's Equations Displacement Current, not the actual
universe anyway,

hanson wrote:

I share that view, "zz", ... Max Planck said:

=P= "Experiments are the only means of knowledge at
=P= our disposal. The rest is poetry and imagination."
=P= Max Planck ~1894..... Einstein's mentor ...

Re: What did Planck do?

.... and that mentioned prodigy and his ilk, all great story tellers by education, lost themselves in the "poetry and imagination" of physics, a situation which was not lost to these luminaries who said:

::: Professor Carver A. Mead of Caltech (a student of Feynman),
::: who said
::: "It is my firm belief that the last seven decades of the 20th century
::: will be characterized in history as the dark ages of physics."

::: or F.A Hayek, Nobel laureate, who said: "In the future,
::: Humanity will see in our Epoch an Era of superstition, essentially
::: associated with the names of Marx, Freud and Einstein"

Thanks for tha laughs, "zz"... ahahahaha.... ahahahanson

Because the quantum of light come from black body .
Max Laue called it as The Kirchhoff 's vacuum .
On my opinion the thermal equilibrium of black body ,
The Kirchhoff 's vacuum is a real model of Vacuum: $T=0K$.
And Vacuum itself, as QT says, is the Homogeneous Space
of the lowest (the background) level of Energy.
Therefore, quantum of light must be an energy quanta.
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Our education.

In the school s books is written that black coal or soot is good example of a black body . But astrophysicists use the laws of black body to understand the Universe. And the Universe doesn't covered with black coal or soot. Our Universe as whole is Vacuum.

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P.S.

In physics, a black body is an idealized object that absorbs all electromagnetic radiation that falls on it. No electromagnetic radiation passes through it and none is reflected. Because no light (visible electromagnetic radiation) is reflected or transmitted, the object appears black when it is cold. However, a black body emits a temperature-dependent spectrum of light. This thermal radiation

from a black body is termed black-body radiation

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In astronomy, objects such as stars are frequently regarded as Black bodies, though this is often a poor approximation.

An almost perfect black-body spectrum is exhibited by the cosmic microwave background radiation. Hawking radiation is the hypothetical black-body radiation emitted by black holes.

http://en.wikipedia.org/wiki/Black_body

http://en.wikipedia.org/wiki/Thermal_radiation

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