

Re: h bar and Lorentz transformation

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On 18 Mar 2005 21:36:29 -0800, "Susy" <pointlike@gmail.com> wrote:

>But as far as i understand it although it was never said explicitly, h
>bar is the same in all Lorentz frames, thats non trivial to me.

>

>Mich.Mor. experiment was done to detect the effect of "ether" and it
>showed that speed of light is constant.

>

>Is there a similar experiment to test the constancy of Planck's
>constant ?

There's a way to empirically determine Planck's constant from the photoelectric effect, if that's what you're wondering about. (If the slope changes from metal to metal that would be an indication that Planck's constant really isn't constant)

<http://theory.uwinnipeg.ca/physics/quant/node3.html>

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