

Re: E \Leftrightarrow MC² generally ...and also inside living things!

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From: Don Lancaster (don_at_tinaja.com)

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Sane wrote:

>

> *"Harry Conover" <hhc314@yahoo.com> wrote in message*

> *news:7ce4e226.0408111047.704df886@posting.google.com...*

> > *"Duane C. Johnson" <redrok@redrok.com> wrote in message*

> *news:<41198952.7A07F7C7@redrok.com>...*

> > >

> > > *The mass energy conversion shows up in ANY conversion. For example:*

> > > *Let's burn 4 hydrogen atoms with 2 oxygen atoms to release heat.*

> > > *The two H₂O water molecules will have less mass than the*

> > > *4 hydrogen and 2 oxygen atoms before they were burnt.*

> >

> > *No.*

> >

> > > *OK, the mass change is exceedingly small but has been measured.*

> >

> > *No.*

> >

> > *Now I believe I know where you are coming from: The analogy of does a*

> > *compressed spring storing energy have more mass than an uncompressed*

> > *spring.*

> >

> > *In theory it would, however, the mass equivalent of the energy that*

> > *went into compressing the spring is so minute that the concept would*

> > *be impossible to experimentally observe or verify. Whether or not the*

> > *situation is factual or not becomes a matter of your confidence in the*

> > *theory.*

> >

> > *In generally, no net mass change has ever been observed in any chemical*

> > *reaction.*

> >

> > *Harry C.*

>

> *Not true! After a high explosive releases its energy it weighs nothing.*

> :-)

>

sci.physics.particle: Re: E \leftrightarrow MC² generally ...and also inside living things!

> *Sane*

Huh?

After a high explosive releases its energy, it weighs very nearly the same as it did before it exploded.

Its density is just a tad lower.

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Many thanks,

Don Lancaster

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