

sci.energy: Re: E  $\leftrightarrow$  MC<sup>2</sup> generally ...and also inside living things!

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**Date:** 08/11/04

Date: Wed, 11 Aug 2004 13:45:32 -0700

"Harry Conover" <[hhc314@yahoo.com](mailto:hhc314@yahoo.com)> wrote in message  
news:7ce4e226.0408111034.3f2ac06f@posting.google.com...  
> "Duane C. Johnson" <[redrok@redrok.com](mailto:redrok@redrok.com)> wrote in message  
news:<[41198A54.2770C676@redrok.com](mailto:41198A54.2770C676@redrok.com)>...

>

> > *Energy mass conversion still happens even at this small scale.*

>

> *It has never been observed to happen. In any chemical or biochemical  
> reaction, the mass of the reactants always precisely equals the mass of  
> the reaction products.*

>

The mass change is probably too small to measure. Since chemical reactions are millions times less powerful than fusion, chemical mass change is in parts per billion.

I believe it is electrons that gain mass at higher energy levels.