

Shedding a bit of light on

FORCE Carrying Particles

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We have a fact we can't change and that is "**Energy can neither be created nor destroyed.**" This gives us a major problem believing the currently accepted idea of force carrying particles that simply hang around for eons until they end up ages later either doing something or nothing.

For that above "**energy statement**" to be correct then there must be **instant energy transfer** in that space-time realm of the energy production.

In a universe based on **phase symmetry** electrons and quarks have to **transfer energy immediately** in their own space-time reference frame, which *from our point of view*, is electron to electron transfer at the speed of light (c) or 3×10^8 meters per second, or quark to quark energy transfer at the square of the speed of light (c^2) or 9×10^{16} meters per second.

These energy transfers all happen **instantly** in their own space-time reference frames even though we don't see it as instantly in our reference frame.

We know the *speed of light* as the constant c . Also, a speed we can associate with c^2 , discovered by noted astronomer Tom Van Flandern, is close enough to Newton's instantaneous gravitational attraction to be accepted by most astronomers as another important constant:

Now you know exactly why and how these two constants were derived.

They were derived from two values of **instantaneous** happenings in the electron and quark space-time realms respectively.

As Einstein showed us, instantly in one reference frame is not always instantly in another reference frame: Yet it **will be a constant** in that other reference frame.

So the concept of the force carrying particle in **phase symmetry** changes a bit.

It may change a bit too much for some but that's what keeps happening in science as a few of us attempt to "shed a bit more light" on what is actually going on.

Let's examine what is really taking place if we consider both space and time in transfers of quanta of light energy from a

distant star to your eye.

We see it takes almost eight minutes for sunlight to come to your eye from the sun *in our reference frame*.

Einstein's teacher, Hermann Minkowski, gave us a way to visualize what is really going on. Here's his picture of what is happening:

Minkowski claimed that we could only receive energy from a star if we and the star were on the same space-time light cone. If we were then we would receive an instant energy transfer via a geodesic on that space-time light cone.

Minkowski was close and in my next paper I'll show you exactly how it's working, but use this concept now.

When you look into the sky, everything you see there is on your Minkowski light cone, via a geodesic, therefore you can get an instant energy transfer from it to you.

Let's look at this now:

When you look at the sun, you are not seeing the present sun. You are seeing the sun as it was nearly eight minutes ago.

When you look at stars, you are seeing them the way they were years ago: Hence the term "**light years**" when talking about distance to stars.

Minkowski also told us space cannot be separated from time.

Earth is surrounded not simply by space but by space-time.

So as you look at a star then all that light quanta comes to your eyes through both much time and much distance **instantly**.

If this is what you see your force carrying particle doing then **phase symmetry** accepts it — even though **phase symmetry** doesn't really need a force carrying particle concept.

All energy transfers in **phase symmetry** have to be via **in phase** impedance matched attractive **bonds** between spinning pairs.

Impedance matching means, this **tiny in phase mass** of the binding pair **has to match** or else there is no bonding or energy transfer.

Even though momentary, these bonds will resemble a sigma chemical bond where a spin up electron is spinning in the same plane with an opposite spin down electron and where a **tiny portion** of their closest sides are **in phase**, (like two opposite spinning gears meshing) thus attracting and bonding them together.

In **phase symmetry** it's the mass of this **in phase tiny portion** that ends up as the energy quantum delivered from the star to your eye.

Whereas a sigma chemical bond lasts, your eye electron, can now swiftly switch bindings from the star, where it gains

inertial mass via going to a higher orbit and then binding with a component in your eye, giving your eye the quantum of energy and losing that quantum of inertial mass by dropping to a lower orbit.

The energy transfer can happen because both star and eye electrons are bound together. Then the high energy of the star disrupts the bond: It moves the star electron's spin/orbit plane allowing the eye electron to re-bind back to a component in the eye giving the eye the quantum of energy from the star.

Many electrons in your eye are swiftly doing this over and over again allowing you to see things with your eyes.

This, in fact, is exactly how ALL energy transfers work, moving from a high energy level to a lower energy level.

A quantum of violet light has about twice the energy as a quantum of red light: But whatever the quantum of energy was from the star, that exact same amount of energy also comes into your eye.

Present science sees these quantum energy transfers being done as photons moving from the star to your eye. But it's an **instant** transferring photon, if you believe in force carrying particles. Certain units of energy are definitely moving this way and they are moving *instantaneously from their point of view* and according to the **phase symmetry** concept.

[Phase symmetry](#) allows spin up quarks to also bind and transfer energy to spin down quarks the same way electrons do. [Phase symmetry](#) also shows us that since these quarks that bond and transfer energy, spin at the square of the electron frequency, these energy quanta will be much, much higher than those from electrons. You can't call these photons however:

But if you insist in believing in force carrying particles you could indeed call one of these quark to quark transfers of energy a Higgs boson.

Sunday, January 18th 2015 [DPFJr](#)

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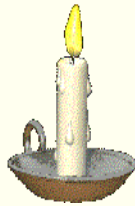
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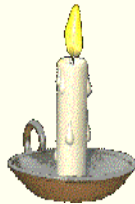
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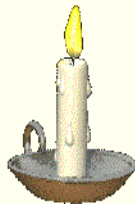
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Daniel P. Fitzpatrick Jr.