

## Re: Gamma-rays and Gravity

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- *From:* "Sue..." <[suzysewnshow@xxxxxxxxxxxxx](mailto:suzysewnshow@xxxxxxxxxxxxx)>
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On Nov 3, 1:52 pm, "RH Nigl" <[rh...@xxxxxxxxxxxxx](mailto:rh...@xxxxxxxxxxxxx)> wrote:

I believe these questions are opposite to current thinking regarding the effect 'gravity' has on gamma-radiation.

By gamma radiation you mean light.

That thinking (and testing), suggesting, (at least to me), that 'gravity' as a force, somehow 'precedes' gamma-radiation.

GR imposes a light speed limit on gravitational/inertial interactions. Wouldn't that imply the opposite hierarchy?

My question is: Could the opposite condition be true? To wit, could gamma-radiation affecting particles, at the quantum level linking those particles inextricably to the entire EM spectrum (in spacetime), actually cause 'gravity'? That is, I mean, I think this notion is opposite to current thinking, so, if true, please correct my misunderstanding.

The unification of gravity/inertia with electromagnetism was one of Einstein's goals with GR.

<< A second problem which at present is the subject of lively interest is the identity between the gravitational field and the electromagnetic field. The mind striving after unification of the theory cannot be satisfied that two fields should exist which, by their nature, are quite independent. >>

<<...there is reason to hope that a generalization of the gravitation equations will be found which includes the laws

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of the electromagnetic field. This hope has in fact been fulfilled although I do not know whether the formal connection so derived can really be regarded as an enrichment of physics as long as it does not yield any new physical connections. In particular a field theory can, to my mind, only be satisfactory when it permits the elementary electrical bodies to be represented as solutions free from singularities.>>

[http://nobelprize.org/nobel\\_prizes/physics/laureates/1921/einstein-lecture.html](http://nobelprize.org/nobel_prizes/physics/laureates/1921/einstein-lecture.html)

In a hundred years of searching in front of Einstein's horse, we have yet to lay eyes on the cart. But there are some hints the cart may be located on the other end of the horse.

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