

# Re: Quantum Gravity 104.8: Confirmation By Raymond Y. Chiao of U.C. Merced of EM-g Relationships

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From Osher Doctorow

I meant helium, not elium.

I should also mention that Chiao proposes a Hertz-like experiment which could yield for EM-g conversion observations of the gravitational-wave analog of CMB from the extremely early Big Bang, and also communications directly through the interior of the Earth.

In this Hertz-like experiment, EM waves are converted at the source into g (gravitational) waves and then back-converted at the receiver from g into Em waves, and would be practical to perform – he and his colleagues are doing that presently according to his paper. All this doesn't make the other part of his paper dependent on future experiments – the part that I previously discussed has been established by Chiao theoretically and in agreement with previous experiments.

For those who still think that dimensional analysis is a "last resort", Chiao also points out that Planck obtained the "Planck mass"  $m_{Pl}$  by dimensional analysis.

I'll try to continue shortly.

Osher Doctorow

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