

Review of: "Entangled Simultaneity: Testing Lorentz and Light-Speed Invariance with Quantum and Classical Entanglement"

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Potential competing interests: No potential competing interests to declare.

I could finally read the entire paper.

I find it interesting, and the extended list of references is very useful. But I wonder if it could not be shorter.

I have one essential caveat: in the Introduction, the authors write “when the spin of one of the particles is measured (e.g., at point A), the spin of the other particle is simultaneously determined”. That is not correct. Indeed, the correlation between measurements is only statistical. The correct statement should be “When a spin component of one of the particles is measured (e.g., at point A), then the statistical distribution of another component of the spin of the particle at point B is instantaneously determined”.

After this conceptual correction, the paper could be published. The spin of one of the particles is measured (e.g., at point A),

Addendum:

1/ The list of references is not too long.

2/ The conceptual correction does not change the Conclusion.