Review of: "The Brain as a Filter: Introducing a Quantum Ground into Integrated Information Theory"

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I found this article to be very well written, introducing me to a possible interface between IIT and quantum theory that I had not fully appreciated. The style is suitably empirical and non-sensationalist, despite the radical nature of the proposal. Interestingly, the account is almost the antithesis of my own theoretical account (published recently in Psychological Review), which claims that consciousness emerges, and is required, by a particularly complex functional ‘blueprint’ of mind based on the many principles and components of perceptual control theory that come together uniquely within each individual, with dynamic conflicts to resolve at any moment through novel information integration at a higher level of perception, rather than consciousness being a shared intrinsic state, quantum or otherwise. Despite this contrast, I see no faults in the logic or writing that such a theoretical premise is possible to articulate and test. My hunch, though, is that this account is another ‘easy win’ or a ‘magic bullet’ explanation like all others I have read, IIT included. It is rather like explaining a swift’s capacity for agile flight through some intrinsic ‘ether’ - rather than through meticulously trying to fully observe, understand, operationally define, and model each of its components as a fully functioning system and then see if that system can fly.