Review of: "On Einstein-Bohr Debate and Bell's Theorem"

Jean Schneider[1]

1 Observatoire de Paris

Potential competing interests: No potential competing interests to declare.

I cannot accept the paper as it is for two reasons:1/ The description of standard quantum theory is improper. The author writes several times, as his central credo, "quantum randomness is an intrinsic property of the physical world." That is not correct. Randomness is the property of the outcomes of experiments. The physical world, described by the state vector |psi(t)>, is not random since the Schrödinger equation is deterministic. If the author wants a random physical world, he has to propose new axioms for the theory of the physical world.2/ The author writes in section 3, Origin of Quantum Randomness, that "the standard interpretation of quantum randomness is still debatable." I agree on that point. But later in section 3, he writes "in no sense can precise space and time coordinates be obtained by measurements. This important fact is the key to understanding quantum randomness." That is not relevant for Bell-type experiments since precise space and time coordinates measurements have no role in the measurement of the polarization of entangled photons.