

Ilija Barukčić

Jever, Germany
Barukcic@t-online.de

30.05.17 Time: 21:39:57 GMT +1 h

Open Letter to Prof. Fabio Sciarrino

Dipartimento di Fisica, Sapienza Università di Roma,
piazzale Aldo Moro 5, 00185 Roma, Italia
Telefono: 0039-06-49913517
Fax: 0039-06-49913525
fabio.sciarrino@uniroma1.it

Subject

Experimental violation of local causality in a quantum network
<http://dx.doi.org/10.1038/ncomms14775>

Dear Prof. Fabio Sciarrino,

I have read your jointly authored paper: *Experimental violation of local causality in a quantum network (DOI: 10.1038/ncomms14775)* and wish to bring some important remarks to your attention. It is worth going slowly through your main topics. So, to put it simply, as it was then, so it is today.

The moon is there, where the same is, even when nobody looks. In other words, **physical quantities** have well defined values **independently** of whether they are **measured or not**.

From a fundamental perspective, **Bell's theorem** is mathematically and logically **inconsistent** and just nothing more but a very complicated quantum mechanical mathematization of a logical fallacy. The several experimental investigations of Bell inequalities violations which have been carried out over so many years have neither confirmed Bell non-locality nor the correctness of Bell's theorem. Bell's theorem represents just a very particular case of **a logical fallacy** and prohibits a richer, broader and deeper understanding of objective reality (even at quantum level). Thus far, similarly to any logical fallacy, any trial to generalize Bell's theorem will not be able to make the same mathematically and logically consistent. From a more applied perspective, it is not possible to confirm by any serious and reproduceable experiment the correctness of a logical fallacy as such.

The claimed apparent tension between quantum mechanics and **causality** is a relic of a bygone times. The relationship between quantum mechanics and causality is **solved** (2) in a logically consistent manner. Furthermore, in your paper you have not taken into account that Bell's theorem and the CHSH inequality are already refuted (1), since years. In summary, I do justifiably believe that on the long run, any one-eyed or one-sided scientific or non-scientific world view will not make it through history.

Dear Prof. Fabio Sciarrino, please allow me to **invite you publicly** to refute my refutations of Bell's theorem and the CHSH inequality. In this context I am looking forward to continued discussion with you.

Yours faithfully,

Ilija Barukčić

References:

(1) <https://scholar.google.de/scholar?hl=de&q=ilija+baruk%C4%8Di%C4%87&lr=&oq=Ilija+B>

(2) <https://www.bod.de/buchshop/theoriae-causalitatis-principia-mathematica-ilija-barukcic-9783744815932>