

CORRIGENDUM

doi:10.1038/nature06190

An experimental test of non-local realism

S. Gröblacher, T. Paterek, R. Kaltenbaek, Č. Brukner, M. Żukowski, M. Aspelmeyer & A. Zeilinger

Nature 446, 871–875 (2007)

The experimental values of correlation functions were measured at the difference angle $\varphi = 20^\circ$ (on the Poincaré sphere), rather than 18.8° as was stated in the original paper. The reported violation of 3.2 standard deviations refers to $\varphi = 20^\circ$. In Supplementary Information II of the original paper the boundaries of all integrals over variables χ and ψ should be the following: χ varies from -2π to 2π ; ψ varies from $|\chi|/2$ to $2\pi - |\chi|/2$. Also, in equation (35) and what follows, $F(\vartheta_u, \vartheta_v)$

should be replaced by $\int_{-2\pi}^{2\pi} d\chi \int_{|\chi|/2}^{2\pi - |\chi|/2} d\psi F(\vartheta_u, \vartheta_v, \psi, \chi)$. The final

inequality of the paper and all its conclusions do not change. The errors arose from our attempt for a more concise notation, but were never used in our actual calculations. We thank Stephen Parrott for pointing out these errors.