

Random numbers certified by Bell's theorem

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Reference:

Nature 464, 1021 (2010)

URL:

<http://www.nature.com/naturejournal/v464/n7291/abs/nature09008.html> [2]

In this work, the authors show how random numbers can be generated in a certified manner using the non-local correlation of entangled quantum states. The randomness of the generated symbols is private and device-independent. Moreover, they perform an experimental proof-of-principle realization of the theoretical formalism.

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