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show that (i) all entangled states can be mapped by single-copy measurements into a
state containing secret correlations, and (ii) if a probability distribution obtained from a
state secret correlations, then this state has to be entangled. These results prove the exist-
ence of a connection between secret and quantum correlations in the process of preparation,
as either it is possible to map any bound entangled state into a distillable probability of
the bound information state.

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Secret correlations are fundamental
in information theory and cryptogra-
phy both share the property of being
the sense that the more two parties
secret correlations, the less they are
in the world. This fact suggests that

correlations are not sufficient for
similar way, for a given probability
distribution what the cost of its distribu-
tion, when only classical resources
[1], we say that a probability distri-
bution is secret correlations if and only if it cannot

Catalonia Future: 2.000 million euros in research in four years

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Catalan government will invest 2.000 millions euros in research for the next four years, said the Catalan minister of research, Carles Sola, and photonics will be one of the most interesting investment lines.

