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Quantum Key Distribution from space

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Quantum Key Distribution (QKD) is essential for providing secure communication. For long distances QKD from space turns out to be most efficient. In this contribution the influence of general relativistic effects as well as of instrumental choices on secure QKD is analyzed. One aspects of the result is that certain classes of orbits are not optimal for QKD. On the other hand, such orbits may be used for improved test of General Relativity and also for quantum theory.

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