Quantum Key Distribution (QKD) involves in a first step a physical exchange of quantum signals between a pair of devices. Whatever the realization of this physical layer of QKD is, it outputs a pair of correlated values. In the second step these correlated values are transformed by a classical post-processing protocol into Information Theoretically Secure (ITS) keys. The AIT QKD framework (e.g. used in [1] and [2]) sees each QKD post-processing step as a dedicated process, a QKD module. Each QKD module has the built-in capability to run concurrently in parallel within a QKD post processing pipeline.

The AIT QKD software [3] is available under different licence models (research/commercial) and AIT welcomes suggestions from academic groups and industry to co-operate.

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