



Universität
Basel

Research Project

A diamond quantum fibre pigtail

Third-party funded project

Project title A diamond quantum fibre pigtail

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Organisation / Research unit

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Project start 01.01.2016

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Status Completed

Individual, optically active quantum systems form central building blocks for many attractive schemes in quantum communication and precision sensing. However, efficient photon extraction from these systems remains a major challenge, currently hindering the practical implementation of a variety of proposed applications in quantum sensing, communication and information processing. Efficient and robust optical interfacing of a single photon source or an optically active single spin is therefore highly desired and relevant to many emerging quantum technologies, which are currently pursued worldwide.

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