



The effect of temporal jitter on single photon indistinguishability

THESIS

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Abstract

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1.2 Guide through the chapters

Chapter 2

Theory

- 2.1 Timing Jitter of an Electronic Signal**
- 2.2 Electro Optic Modulators**
- 2.3 Group Velocity Dispersion and Time Broadening effect on Optical Pulses**
- 2.4 Second Order Correlation function**
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TCSPC Measurements on pulses from cascaded EoMs

3.1 Description of the experimental setup

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Ti:Sa Pulse Characterization

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Chapter 5

Single Photon Source Experiments

5.1 QD excitation with cascaded EoMs shaped light

5.2 QD excitation using Ti:Sa light pulses

Chapter 6

Conclusions and outlook