

A multi-node quantum network with defects in diamond

Ph.D. proposal

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INTRODUCTION

Test citation [1].

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1 RESEARCH GOALS

2 THE NV CENTRE AS A NETWORK NODE

3 GENUINE REMOTE MULTIPARTITE ENTANGLEMENT

4 LINK LAYER: A PROOF OF CONCEPT

5 ENTANGLEMENT TELEPORTATION

6 CHALLENGES AND RISKS

7 GRADUATE SCHOOL PROGRESS

8 PH.D. TIMELINE

REFERENCES

- [1] Peter C. Humphreys et al. “Deterministic delivery of remote entanglement on a quantum network”. In: *Nature* 558.7709 (June 2018), pp. 268–273. DOI: 10.1038/s41586-018-0200-5.