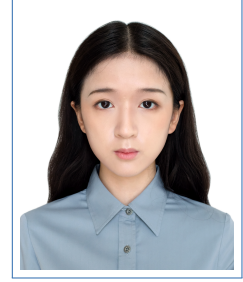


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Education & Work Experience

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Quantum Computing
- 2020–2025 **Advanced Researcher**, *Technology Innovation Institute*, Quantum Research Center, Abu Dhabi, United Arab Emirates.
Quantum Algorithm
- 2020–2025 **PhD Candidate**, *University of Barcelona*, Faculty of Physics, Barcelona, Spain.
Supervisor: José Ignacio Latorre
- 2018–2019 **Master Degree**, *Paris Saclay University*, Mathematics.
Applied Mathematics toward Computational Algebra and Cryptography
- 2017–2018 **First year of Master**, *Sorbonne University*.
Fundamental Physics & Fundamental Mathematics
- 2014–2017 **Bachelor Degree**, *Sorbonne University*.
Double Degree Physics & Mathematics

Publications

- [1] **Ruge Lin***, Germán Sierra and José I Latorre. *Arithmetic sequences as quantum states*. arXiv: 2501.06292.
- [2] Renato M. S. Farias*, Thiago O. Maciel, Giancarlo Camilo, **Ruge Lin**, Sergi Ramos-Calderer, Leandro Aolita. *Quantum encoder for fixed Hamming-weight subspaces*. Physical Review Applied 23, 044014.
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- [7] Robert Brose*, Iurii Sushch, Martin Pohl, Kieran J. Luken, Miroslav Filipović and **Ruge Lin**. *Nonthermal emission from the reverse shock of the youngest Galactic supernova remnant G1. 9+ 0.3*. Astronomy & Astrophysics 627, A166.