

Postdoctoral position: *Creating highly entangled states via Floquet engineering*

The research group of Prof. Peter Schlagheck at University of Liège (Belgium) is offering a two-years (full-time) postdoctoral position in the field of theoretical many-body quantum physics, focusing on the challenge of creating highly entangled NOON states with ultracold atoms via Floquet engineering.

(→ G. Vanhaele and P. Schlagheck, Phys. Rev. A 103, 013315 (2021))

This project is embedded in a network of various quantum research groups within Belgium (involving UGent, ULB, ULiege, KULeuven, UHasselt, UAntwerp, imec) which are united through the Excellence-of-Science grant “*Creating Highly Entangled States in the NISQ era*”. There will thus be a stimulating environment with numerous opportunities for collaborations.

The candidate to be hired should have a PhD in physics and ideally bring along strong expertise in quantum many-body physics and/or quantum dynamical processes. The position can start from January 2024 on.

Applications should contain a CV and a cover letter, including the contact details of two references. They should be sent to peter.schlagheck@uliege.be. Applications received until Friday October 27th (2023) will be preferentially considered.