

Postdoctoral researcher

in quantum foundations and quantum information theory

We are looking for a motivated postdoctoral researcher to join our research group at ATOMKI (Debrecen, Hungary, www.atomki.hu). The group works at the interface of quantum foundations and quantum information theory. Some research directions of the group are

- multiparty Einstein-Podolsky-Rosen steering
- certification of Bell nonlocal correlations
- multiparty and high-dimensional quantum metrology
- large-scale algorithms for the construction of quantum protocols

The successful candidate is likely to

- work on some of the research topics mentioned above
- participate in consortium meetings
- present results in workshops and conferences
- participate in mentoring students involved in the project

The two-year postdoctoral position is funded by the QuantERA ERA-NET Cofund Programme. The position involves collaboration between research groups in Brno, Debrecen, Gdansk, Vienna and Zürich. The researcher will be hosted at the ATOMKI in Debrecen under the supervision of Tamás Vértesi, project leader.

Interested candidates should submit a CV (including publication list and the names of potential references), cover letter and PhD certificate to vertesi.tamas@atomki.hu .

The deadline for applications is 1 March 2022, but later applications may also be considered.

Contact:

Tamás Vértesi

Lendület "Quantum Correlations" Research Group

ATOMKI, H-4026 Debrecen, Hungary

vertesi.tamas@atomki.hu