

# Open Postdoc Position in Mathematical Physics

In the Group of Soeren Petrat, Jacobs University Bremen

November 2022

*Note: Another open Postdoc position in the group is advertised here:  
[http://math.jacobs-university.de/petrat/jobs/Postdoc\\_Position\\_Bremen\\_Bosons.pdf](http://math.jacobs-university.de/petrat/jobs/Postdoc_Position_Bremen_Bosons.pdf)*

## **Description**

The position is part of the ANR-DFG project “Effective Approximation and Dynamics of Many-Body Quantum Systems” run jointly between Braunschweig (Volker Bach), Bremen, Metz (Sébastien Breteaux and Jérémy Faupin), and Rennes (Zied Ammari), see <http://effective-quantum.org/> for more information. The main research topics for the Bremen postdoc concern the derivation of effective evolution equations involving fermions, starting from a many-body quantum Hamiltonian. Extensive scientific exchange within the Bremen research group, and between the different locations is planned. Funds for research visits at the other locations and for conference visits are available.

## **Starting Date**

The starting date is flexible. It is aimed to fill the position as soon as possible in 2023, and by Sep. 2023 the latest.

## **Duration and Contract**

This is a 2-year position paid according to DFG standards (100% position, E13). There is no mandatory teaching load, but there are opportunities to gather teaching experience if desired by the applicant.

## **How to Apply**

Please send a CV and a very brief cover letter by email to [s.petrat@jacobs-university.de](mailto:s.petrat@jacobs-university.de).

## **Deadline**

Applications are welcome until the position is filled. Applications that are received before Jan 31, 2023 will definitely receive consideration.