

Open Postdoc Position in Mathematical Physics

In the Group of Soeren Petrat, Jacobs University Bremen

January 2023

*Note: Another open Postdoc position in the group is advertised here:
http://effective-quantum.org/jobs/Postdoc_Position_Bremen_Fermions.pdf*

Description

This position is part of the DFG research project on “Asymptotic Expansions for the Weakly Interacting Bose Gas”. The goal is to further develop recent techniques for proving asymptotic expansions for the dynamics and the spectrum/eigenfunctions of the mean-field Bose gas. The project aims at *applying* these expansions to compute other interesting quantities, and at *deriving* such expansions for more complicated interactions. Extensive scientific exchange within the Bremen research group, and within the joint French-German collaboration project on “Effective Approximation and Dynamics of Many-Body Quantum Systems” (<http://effective-quantum.org>) is planned.

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.

Deadline

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