

Postdoctoral Fellowship in Mathematical Physics

The Mathematical Physics Group in the Department of Theoretical Physics of the Nuclear Physics Institute of the Czech Academy of Sciences in Řež invites applications for a postdoctoral research position in Mathematical Physics within the scope of the project

Mathematical aspects of new challenges in physics,

with a special emphasis put on phenomena encountered in the newly developing fields of quantum mechanics with non-Hermitian operators, metamaterials and spectral-geometric properties of nanostructures.

The position is for one year, starting before the end of 2018, with the extension option for a second year upon mutual agreement. The gross salary is approximately 30 000 CZK per month plus some extras for housing. There are no teaching duties associated with the position.

Applicants should have a PhD in Mathematics or Theoretical Physics (or equivalent) obtained preferably after January 1, 2014. They must show very strong research promise in at least one of the following research domains:

- *geometric analysis*;
- *spectral theory*;
- *partial differential equations*;
- *semiclassical analysis*.

Previous experience in the area of the project is an advantage but not necessary.

The applications including

1. curriculum vitae (including list of publications);
2. brief research statement (past, current and future interests);
3. two letters of recommendation;

should be sent by e-mail to Pavel Exner (exner@ujf.cas.cz) and David Krejčířík (david@ujf.cas.cz). All the documents should be submitted as pdf files. The letters of recommendation should be sent directly by the persons providing the reference.

Complete application packages should be received by **May 31, 2018**.

For any further information about the fellowship please contact Pavel Exner and David Krejčířík on the e-mail addresses above.

Given in Prague, January 29, 2018