



German-Ukrainian Research Center for Quantum Materials (GuQuMat) announces Ukraine-based positions for a PhD student and for a PostDoc in theoretical solid-state physics.

The research center is funded by the Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF) under reference 01DK24008, for more details see <https://gu-qumat.ifw-dresden.de/>

The project is led by **Leibniz Institute for Solid State and Materials Research (IFW-Dresden)**, Dresden, Germany and by **Kyiv Academic University**, Ukraine.

- PhD position for 3 years in Ukraine, salary 1300 EUR/month. This is a theoretical project whose main goal is the search and study of *topological magnons in altermagnetic materials*. The basic knowledges on the magnetic interactions and magnetization dynamics in magnetically ordered materials are required. Supervision by Prof. Dr. Jeroen van den Brink and Dr. Volodymyr Kravchuk.
- PostDoc position for 2 years in Ukraine, salary 1600 EUR/month. The research will be focused on the theoretical study of *topological magnetic solitons in altermagnets*. Some experience of analysis of magnetization structures within the Landau-Lifshitz micromagnetic formalism is desirable. The work will be supervised by Prof. Dr. Jeroen van den Brink.

The work of both PhD student and PostDoc will be carried out in Ukraine. Short visits (up to three months) of IFW-Dresden are possible.

If you are interested, please, send your CV and the motivation letter to v.kravchuk@ifw-dresden.de (Volodymyr Kravchuk). You will be informed about the date of the online interview by email.