



Die Technische Universität Dortmund ist eine dynamische forschungsorientierte Universität mit 17 Fakultäten in den Natur- und Ingenieurwissenschaften sowie Gesellschafts- und Kulturwissenschaften. Auf unserem internationalen Campus leisten rund 6 700 Beschäftigte täglich einen Beitrag, um drängende Fragen der Gegenwart und der Zukunft zu lösen. Offenheit und Vielfalt prägen nicht nur das Miteinander in Forschung und Lehre, sondern auch in Technik und Verwaltung.

Postdoctoral position, E14 TV-L (Ref.-Nr. w86_25)

The Cluster of Excellence “Color meets Flavor” (www.color-meets-flavor.de/) aims to explain the interaction of weak and strong interactions on different energy scales in order to answer fundamental questions about the structure of matter. It is jointly organized by the Universities of Bonn, Dortmund, and Siegen, as well as Forschungszentrum Jülich.

One of the central experiments for studying strong interactions on the energy scale of light quarks (u, d, and s) is the planned INSIGHT photoproduction experiment at the ELSA electron accelerator in Bonn. We are involved in the construction of the pixel detector for the experiment and are looking for a full-time postdoctoral researcher (39.83 hours/week, TV-L E14, fixed-term for 3 years) for the development and construction of the detector.

YOUR TASKS:

- Development of the mechanical mounting structure and cooling concept for the planned pixel detector,
- optimization of the detector design based on simulations of photoproduction processes, and
- integration and commissioning of the pixel detector.

WE OFFER:

- An inspiring research environment,
- a highly motivated team,
- career development and individual support, and
- a wide range of opportunities for personal development.

YOUR QUALIFICATION:

- Completed university degree with a doctorate in physics or a comparable subject.

IDEALLY, YOU SHOULD BRING:

- Experience in detector development,
- very good English skills,
- willingness to travel to work on the experiment in Bonn,
- ability to work independently, team spirit, sense of responsibility, and reliability.

TU Dortmund University promotes diversity and equal opportunities. Convince us with your personality and expertise. Applications from women will be given preferential treatment in accordance with the legal regulations.

It is pointed out that the application of suitable severely disabled persons is desired.

Complete applications including a cover letter, CV and certificates should be sent stating reference number **w86-25** until **26.11.25** to:

Technische Universität Dortmund

Prof. Dr. Kevin Kröninger

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44227 Dortmund

For further information, please do not hesitate to contact:

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