



### Job advertisement - Hiwi activity

#### Objective:

The primary responsibilities include:

1. Provide assistance in the construction of experimental facility.
2. Write reports of experiments.
3. Perform some routine tasks in the laboratory

#### Background & Key Responsibilities:

As part of the MISHA project—focused on the passive cooling of innovative micro nuclear reactors—this research aims to evaluate the heat transport performance of high-temperature heat pipes.

The manufacturing of the main test rig (Fig. 1) is currently underway, while experiments are already being conducted on a smaller setup (Fig. 2). Therefore, one of the HiWi's key responsibilities is to prepare reports on the experiments performed. To accomplish this, a basic knowledge of Excel or Python is required.

Since all project activities take place in the laboratory, maintaining a clean, organized, and functional work environment is essential. As part of their role, the HiWi will also assist with routine maintenance tasks to support smooth laboratory operations.

#### Working Hours & Location:

- 8 hours per week, with a flexible schedule (one full day or two half-days, adjustable upon request).
- Work will take place at the Institute of Nuclear Technology and Energy Systems (IKE), Pfaffenwaldring 31, 70569 Stuttgart.

#### Requirements:

- A pronounced affinity for hands-on experimental work.
- Intermediate-level Excel.
- Basic knowledge of LaTeX is a plus.
- Teamwork proficiency.
- Fluent in German; Basic knowledge of English.

**Start:** from 01.04.2025 or later

**Contact:** M.Sc. Ruggero Meucci  
Pfaffenwaldring 31 • Room no. 3.344  
D-70569 Stuttgart  
[ruggero.meucci@ike.uni-stuttgart.de](mailto:ruggero.meucci@ike.uni-stuttgart.de)  
+49 711 685 69662



Figure 2 Small set up.



Figure 1 Main test rig.