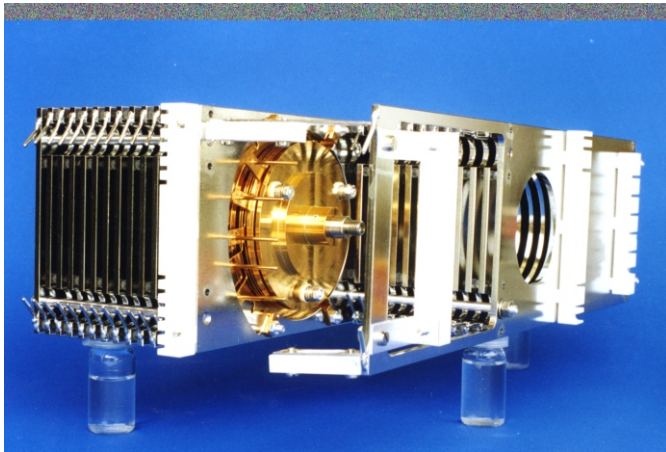


Experimental Diploma/Ph. D. Thesis at II.Physikalisches Institut

For the project *Mass Measurements of Exotic Nuclei* at the FRS/ESR at GSI in Darmstadt (Germany) improvements of the constructed **time-of-flight detector-system** should be further developed in order to make short-lived nuclei at particle stability available to measurements.



The student will be able to acquire the following skills:

Construction of experimental equipment/ultrahigh vacuum technology

Working with fast electronics

Experiment control and data acquisition/analysis

The best party in Giessen (DYN 2005)

Requirements:

- Vordiplom or Master in Physics
- Joy of doing experimental work

We Offer:

- A steady income through teaching of young students (HIWI-Stelle)
- Supervision by an experienced Ph. D. Student
- Very good experiment and computer equipment
- At the end of the Master Thesis there is a possibility to continue in the same project as Ph. D. in collaboration with the large accelerator-facility GSI in Darmstadt (Germany)

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