Contribution ID: **59** Type: **not specified**

Accelerator operation and machine development studies at PETRA III

This summer student project will provide a deep insight and contribution to the daily operation of one of DESY's core facilities –the world's biggest and one of the most brilliant storage ring light source PETRA III.

In preparation for the planned facility upgrade to PETRA IV, machine development studies in PETRA III already now aim for the development of hardware and software components for the new accelerator. During the project time two special study days are planned into the beam time schedule for this purpose. As a summer student you will support the machine experts in the planning, preparation, execution and analyse of these studies. During the summer shutdown there will be the opportunity to enter the accelerator tunnel and learn more about the components and complexity of particle accelerators. Hands-on experience as an operator in the control room will be gained during the adjacent re-start and commissioning period.

Group

MPY

Project Category

B3. Research on Accelerators

Special Qualifications

Interest or background in accelerator physics

Primary author: Dr SCHAUMANN, Michaela (MPY (Beschleunigerphysik))