

Research Opportunities at the Wuppertal University

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In the context of future prospects for research at the Bucharest University, we present opportunities open at the Wuppertal University. Research in our physics department is carried out on an international level. Students from Romania as well as Switzerland, USA, UK, Italy, Sweden, Poland, Spain, etc. have contributed and are still contributing a lot to various research projects carried out in international teams and collaborations. Examples are cosmic ray studies with the KASCADE-Grande, LOPES (Germany) and Pierre Auger Experiments (Argentina), neutrino astronomy with IceCube (South Pole), collider experiments CMS (CERN), D0 (Fermilab), nuclear physics (Julic, Germany), atmospheric physics (Scandinavia, Australia, South Pacific) or developments of new detectors at each of these locations. Within the University there are close co-operations with the chemistry, mathematics, and informatics department each of which offers many attractive research opportunities. The department operates the Super-Computer ALiCEnext (the largest computer cluster at german universities at installation time) with 1024 nodes. This serves the computing needs of various research groups and provides a tight link to mathematics and informatics department.