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Energy efficiency of particle accelerators –a network in the European program EUCARD-2

Thursday 24 October 2013 11:00 (20 minutes)

Eucard-2 (Enhanced European Coordination for Accelerator Research and Development) is an ongoing project for integrating research and development activities in the context of particle accelerators. EnEfficient (Energy Efficiency of Particle Accelerators) is one of six networking activities within the Eucard-2 program. Networks will primarily organize workshops and bring together the activities of research institutions and universities in specific areas.

The ever growing requirements for beam energy and intensity typically resulted in increased power consumption of accelerator facilities. On the other hand resources become scarce and the cost of energy is rising. The focus of EnEfficient is the efficient and cost effective utilization of electrical power in particle accelerators. Within the work package five tasks were defined that deal either with subsystems of accelerators or with general aspects related to power consumption. After motivating the relevance of EnEfficient, the talk will describe the individual tasks and plans for the next years. Additional participants are sought and are welcome in this activity.

Presenter: Dr SEIDEL, Mike (PSI)

Session Classification: Energy Efficiency at Research Infrastructures