

Role of Training Reactor VR-1 in Nuclear Training in National and International Context

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The VR-1 reactor is the key facility in the field of nuclear educational and training in the Czech Republic. The reactor is equipped with several specific educational and training experimental devices and four training laboratories belonging to the reactor laboratory for neutron interactions studies, laboratory for neutron activation analysis, radiation protection and environmental studies laboratory, and I&C laboratory. Educational and training activities at the reactor were step-by-step extended from domestic activities through the national and international levels up to regional multilateral activities. Future reactor operators and reactor physicists of Czech nuclear power plants have been trained at the reactor since 1992, also reactor physicists from nuclear power plants in Slovakia have been trained since 2002, and trainees from various nuclear developing countries have been also trained at the reactor since 2006. An effective procedure for implementing new experiments and new experimental devices has been developed during more than 25 years of the VR-1 reactor operation. Over 25 experiments can be carried out at the reactor at three levels: demonstration, standard, and advanced.

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