

NEUTRON ACTIVATION ANALYSIS ACTIVITIES AT IPEN/CNEN-SP, BRAZILIAN NUCLEAR ENERGY COMMISSION

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Neutron Activation Analysis has been for many years one of the main activities developed using the Nuclear Research Reactor IEA-R1 of IPEN / CNEN-SP. The reactor is an open swimming pool type reactor, which has operated mainly at 2 MW and recently went through an upgrade, in order to operate up to 5 MW, to improve radioisotope production mainly. The Neutron Activation Analysis Laboratory, with a staff of seven PhD and three MSc researchers, has been developing multidisciplinary

applications of NAA, in close connection with several Universities and research Institutes in Brazil, in the fields of Geochemistry, Environment, Medicine, Biology, Agropecuary, Archaeology, Nutrition and others. The group of researchers is also very much involved in teaching and advising of students, at Graduate and Post-Graduate levels. In the present work, an overview is presented of these activities, with an emphasis on the latest developments (FAPESP, CNPQ).

10411