

RESEARCHES OF SPACIAL DEPENDENCE OF FAST NEUTRON SPECTRUM FORM AT THE OUTER SURFACE OF WWER-1000 PRESSURE VESSEL

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The arrays of data of relations of specific activities of the neutron-activation detectors irradiated at outer surface of WWER-1000 pressure vessel during a number of fuel cycles of Ukrainian NPP units are analyzed by means by of specially developed mathematical device. It is shown that neutron spectrum form at the outer surface at the level of reactor pressure vessel upper shell depends on azimuth coordinate and does not depend on height one.