

## **STUDY OF SPATIAL DEPENDENCIES OF SOME EX-VESSEL DOSIMETRY CHARACTERISTICS OF WWER-1000 TYPE REACTOR NEUTRON FIELD**

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The results of activation measurements of the ex-vessel dosimetry detectors irradiated during 9-th and 10-th fuel cycles at Khmelnitskaya NPP, Unit 1 are analyzed with a specially designed procedure which mathematics tool bases on the main aspects of a mathematical statistics. It is shown that the relations between the reaction rates don't practically depend on dosimetry detector locations. This conclusion can be applied for optimization of the detectors amount used for the calculational-experimental determination of fast neutron fluences on WWER-1000 pressure vessel.