

INVESTIGATIONS OF “HOT” PARTICLES SELECTED IN 5-KM ChNPP ZONE

**M. D. Bondarkov, V. A. Zheltonozhsky, M. V. Zheltonozhakaya,
L. V. Sadovnikov, V. V. Tokarevsky**

The measurements of radionuclides from “hot” particles, selected in 1989 - 2000 inside ChNPP 5 km zone have been conducted. The $K\alpha$ -emanation of Pu and U has been revealed. The ratio of isotopes $^{154,155}\text{Eu}$ in the “hot” particles, selected inside ChNPP 5 km zone has been measured. The comparison with theoretical data from handbook has shown the difference in 2 - 2,5 times. The discussions of obtained results is carried out.