

**THE DETERMINATION OF ALPHA-RAY EMITTER CONTENT IN “HOT” PARTICLES  
BY MEANS OF THE DIRECT ALPHA-SPECTROSCOPY METHOD**

**A. P. Lashko, T. N. Lashko, A. A. Odintsov**

The method of the determination of  $^{234}\text{U}$ ,  $^{238}\text{U}$ ,  $^{238}\text{Pu}$ ,  $^{239+240}\text{Pu}$ ,  $^{241}\text{Pu}$ ,  $^{242}\text{Pu}$ ,  $^{241}\text{Am}$ ,  $^{243}\text{Am}$ ,  $^{242}\text{Cm}$  and  $^{244}\text{Cm}$  content in “hot” particles was proposed. It is defined that the detection limit of these radioisotopes is 0.001 Bq.