

## **“SHAKE-OFF” ELECTRONS IN THE $\beta$ -DECAY $^{152,154}\text{Eu}$**

**N. F. Mitrokhovich**

Based on measuring of double and triple coincidences  $\gamma$ -quants, conversion electrons (CE) and  $\beta$ -particles with electrons (including the  $e_o$ -electrons of secondary electron emission - coincidence  $(\gamma, \text{CE})-(e, e_o)$  and coincidence  $\gamma\beta e_o$ ) the output of  $e_o$ -electrons is measured per on act  $\beta$ -decays  $^{152,154}\text{Eu}$  for different components of the  $\beta$ -spectrum. In the  $\beta$ -decay is established that  $\beta$ -particles and shake-off electrons (observed by  $e_o$ -electrons), which are caused by them are correlated in the direction of light, demonstrating predominantly emitting to the same half sphere.