

## AVERAGE RESONANCE PARAMETERS OF <sup>110,112,116</sup>Cd ISOTOPES

**M. M. Pravdivy, I. O. Korzh, M. T. Sklyar**

The average resonance parameters  $S_0$ ,  $S_1$ ,  $R'_0$ ,  $R'_1$ ,  $S_{1,1/2}$ ,  $S_{1,3/2}$  of the isotopes <sup>110,112,116</sup>Cd were determined from the experimental differential neutron elastic scattering cross sections with the help of the method, developed by the authors within the framework of optical model. The parameters are found by fitting of the theoretical expressions, obtained by the authors for  $\sigma_{el}$  and for coefficients Legendre polynomial expansion of differential elastic cross sections  $\omega_1$ ,  $\omega_2$ , to their experimental values in the energy range 1 - 450 keV. The analysis of the obtained average resonance parameters is carried out.