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## **APPLICATION OF THE CLARIFIED DATABASE OF PARAMETERS OF $\beta$ - ACTIVE ATOMIC NUCLEI FOR ANTINEUTRINO SPECTRUM CALCULATION**

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The paper presents a clarified database of the parameters of beta-active nuclei, which includes previously unknown and inaccurately estimated parameters. The parameters were obtained by using our developed method of converged sequence of calculated energy spectra to the resulting spectrum, which is most close to the experimental one. Rovno experimental spectrum was taken as the experimental one. Beta-active nuclei parameters used for calculating the resulting spectrum were included in clarified database. The use of this data base allows to get the best coincidence of calculated antineutrino spectrum with the measured one at any nuclear reactor core content.

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