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THE REVISION OF THE BETA PARTICLES AND ANTINEUTRINO SPECTRA FROM U-235, PU-239 AND U-238 FISSION PRODUCTS BASED ON THE UPDATED MEASUREMENTS OF THE RATIO OF SPECTRA U-235/PU-239

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Based on new measurements of the ratio of cumulative spectra of β -particles $^{235}\text{U}/^{239}\text{Pu}$ performed at the Kurchatov Institute (KI), the cumulative spectra of β -particles and $\bar{\nu}_e$ fission products of ^{235}U , ^{239}Pu and ^{238}U isotopes have been updated. The obtained spectra $\bar{\nu}_e$ ^{235}U , ^{239}Pu and ^{238}U KI are compared with similar spectra of the Huber-Mueller (HM) model, and the spectra of β - particles of KI are compared with the spectra of β - particles of ^{235}U , ^{239}Pu , measured at the Institute Laue-Langevin (ILL), and the spectrum of β - particles ^{238}U - at the Technical University of Munich (TUM). The calculated inverse beta-decay yields are in good agreement with the reactor neutrino experiments data.

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