

TABLE 1. Value of Coefficients  $a_i$ ,  $b_i$ , and  $\varepsilon^*$  for Some Materials

Material	$a_i$	$b_i$	$\varepsilon, \%$	Material	$a_i$	$b_i$	$\varepsilon, \%$
H	-0,048	1,997	2,2	Fe	0,325	0,661	1,2
CH	-0,022	1,051	1,9	Cu	0,449	0,531	1,0
CH <sub>2</sub>	-0,026	1,454	1,5	Zn	0,501	0,488	1,0
Be	-0,021	0,900	1,6	Sn	1,393	-0,349	1,9
B	-0,023	0,940	1,3	W	1,202	-0,152	9,7
C	-0,025	1,021	1,1	Pb	1,601	-0,097	12
Al	-0,008	0,970	0,2	U	2,190	-0,474	14,6
Ti	0,177	0,782	1,2				

\* $\varepsilon$  is the rms deviation from the linear approximation (2).

TABLE 2. Results of Direct ( $P_1$ ) and Indirect ( $P_2$ ) Measurements of Radiative Heat Release, Mrad/h\*

Material	<sup>60</sup> Co Isotope setup	ĒK-4	ĒK-14	ĒK-26
$\frac{g}{R^*}$	0,887	0,650	0,616	0,580
	--	445	765	960
Pb	$P_1$ 4,72 $P_2$ 4,90 $\varepsilon$ 5,3	29,3 31,6	25,9 24,9	7,19 7,80
Sn	$P_1$ 3,34 $P_2$ 3,40 $\varepsilon$ 3,8	23,2 24,0	19,0 20,5	5,86 5,99
Zr	$P_1$ 2,39 $P_2$ 2,49 $\varepsilon$ 5,0	21,5 20,5	18,4 17,2	5,25 5,03
Zn	$P_1$ 2,30 $P_2$ 2,34 $\varepsilon$ 3,8	16,3 16,6	15,4 13,7	5,02 4,94
Mg	$P_1$ 2,15 $P_2$ 2,21 $\varepsilon$ 1,9	13,6 13,3	10,5 10,6	2,97 2,92
CH <sub>2</sub>	$P_1$ 2,54 $P_2$ 2,48 $\varepsilon$ 3,8	15,9 15,4	13,3 12,8	3,83 3,61
C	$P_1$ 2,23 $P_2$ 2,21 $\varepsilon$ 3,4	13,9 13,4	11,5 11,2	3,34 3,14

\*R is the distance from the channel axis to the center of the reactor core, in mm.

MeV; it has been shown that the "overtake" method is convenient and considerably simplifies and enhances the accuracy with which the spectral parameter can be measured; it has been established that the variation of the spectral parameter with an increase in the distance from the center of the reactor core is in good agreement with the data on the  $\gamma$ -ray spectrum in the water-moderated-water-cooled reactor [1].

#### LITERATURE CITED

1. B. A. Briskman et al., *At. Energ.*, **41**, 325 (1976).
2. Yu. L. Tsoglin and S. S. Ogorodnik, *At. Energ.*, **38**, 96 (1975).
3. B. A. Briskman, Components of Absorbed Energy of Reactor Radiation [in Russian], Atomizdat, Moscow (1976).

#### ERRATA

In the article by V. P. Dzheleпов and L. I. Lapidus "Thirty years of work at the first nuclear laboratory at Dubna" (Vol. 44, No. 1, 46-57, 1978), the 14th line from the bottom should read  ${}^3\overline{\text{He}}$  instead of  ${}^3\text{He}$ , and the last line on p. 55 should read 50 A instead of 5  $\mu\text{A}$ .