

**CALCULATION VERIFICATION TABLE OF THE SECOND SERIES MICROPARTICLES PARAMETERS**

Parameter (dimension)	NT (PLM)	According to the book 1990			Calculation results			Accuracy
		States 1 - 2	States 3 - 4		States 1 - 2	States 3 - 4		
A		8.49136714480386e-8			8.491367153862228e-08			1.1e-9
n		1.944423902e+9			1.944416582000000e+09			-3.8e-6
Nop, Ndop		5864	5864		5858	5844		
<b>Internal parameters</b>								
b1	1	0.9999997452584			0.9999997452577932			-6.1e-13
	5864	0.9999997454396			0.9999997454395831			-1.7e-14
b2	1	0.9999997452584			0.9999997452577313			6.7e-13
	5864	0.9999997450772			0.9999997450759414			-1.3e-12
s	1	2932.2108120488			2932.204199429382			-2.3e-6
	5864	0.5400579520219			0.5385168184620762			-2.9e-3
e1, e1d	1	0.9999995848272	0.9999996085714		1.000000094310746	1.000000118054932		5.1e-7;5.1e-7
	5864	0.9977509146049	0.9978794150574		9.977450069349391e-01	9.978738740326613e-01		-6.4e-6;-5.6e-6
e2, e2d	1	0.9999995434361	0.9999995695473		1.000000052919411	1.000000079030806		5.1e-7;5.1e-7
	5864	0.9975272432659	0.9976684932145		0.9975206984055581	0.9976623512007876		-6.6e-6;6.2e-6
<b>External parameters</b>								
q (qe), theories	2.47.4A		-1.0			-0.9990269130441517		-8.7e-4
	2.47.3		-1.0			-1.029383652300934		7e-3
experiment			-1.0					
m (me) theories	2.47.4A		3268.456			3272.585678777022		1.3e-3
	2.47.3					3276.430032293741		2.4e-3
experiment			3278(20)					-1.7e-3, 5.4e-4
Jf (hi) theories	2.47.4A		1.5			0.5478956708232046		
	2.47.3					1.503951495350095		
эксперимент			1.5					
Muf theories	2.47.4A		-1.03256504			-1.032564872176577		1.63e-7
	2.47.3					-0.9714046992195318		-5.9e-2
experiment			-					
G (MэВ) theories	2.47.4A		40.6			40.6;		
	2.47.3					76.7		
experiment			60(20)					

**Note:** For comparison of calculations we chose particles PLM (2.47.3) and PLM (2.47.4A). For the particle PLM (2.47.4A) in the book of 1990 (table 20.3) the calculated parameters are given and it was identified with the experimental particle ( $\Sigma$ -- ).