

CALCULATION VERIFICATION TABLE OF THE THIRD 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		1.05560409250424e-10			1.055605602928722e-10			1.43e-6
n0		4.4361531351361e+13			4.436143613864300e+13			-2.15e-6
n		4.4361531172242e+13			4.436143020220600e+13			-2.28e-6
Nop, Ndop (<i>e</i>)			16009		16048	16009		
		Internal parameters						
1-b1^2	1	6.3336245621220e-10			6.333635838018381e-10			1.8e-6
	16009	6.3334655699524e-10			6.333475965902835e-10			1.6e-6
1-b2^2	1	6.3336245819860e-10			6.333635838018381e-10			1.8e-6
	16009	6.33378357441555e-10			6.333795710133927e-10			1.9e-6
s (hi)	1	8024.3883805205			8.024380439480505e+03			-9.9e-7
	16009	0.54035301248528			5.403523099227722e-01			-1.3e-6
e1	1	0.999998482908			9.99998489240030e-01			6.3e-10
	16009	0.9977521411038			9.977521441512958e-01			3.1e-9
e2	1	0.999998331658			9.99998337991234e-01			6.3e-10
	16009	0.9975285914378			9.975285941022235e-01			2.7e-9
e1d	1		0.999998569671			9.99998576004062e-01		6.3e-10
	16009		0.9978805717889			9.978805750567834e-01		3.3e-9
e2d	1		0.999998427073			9.99998433405326e-01		6.3e-10
	16009		0.9976697647304			9.976697676443385e-01		2.9e-9
q1dn((hi*c) ^{1/2})	1			19085.3			19086.37	5.6e-5
	16009			1.23785			1.23792	5.7e-5
R1d (cm)	16009			4.18323e-11			4.18309e-11	-3.3e-5
		External parameters						
qdn (qe)	16009		-1.0000000	1.0000000		-0.999997765	0.9996227	-2.2e-6;-3.8e-4
mdn (me)	16009		1.000000000			0.999999999999998		-2e-16
Jd, Jda (h')	16009		0.5	0.5		0.504110366	0.5036862	round 0.5
Mud, Muda theories	16009		-1.001159643	1.003349748		-1.001159825	1.00344007	1.8e-7;9e-5
experiment			-1.001159622					
tcv (cek)	16009		1.43e+143	1.02e-9		1.46e+149	2.9e-9	

Note: In the book of 1990 (table 20.3) the microparticle PLM (3.16009.3) is equated with the particle (*e*) "electron".