1 Rate Reactions

No.	Reaction	A	n_g	E_g	n_e	E_e	$\Delta\varepsilon_e$	$\Delta\varepsilon_g$	Ref.
1	$Ar(\beta) + e \rightarrow Ar^r + e$	2.00×10^{-7}	0.00	0.00	0.00	0.00	0.00	0.00	[1] [1]
2	$2Ar(\alpha) \rightarrow Ar^+ + Ar + e$	6.20×10^{-10}	0.00	0.00	0.00	0.00	0.00	0.00	[1] [2]
3	$Ar(\beta) + Ar \rightarrow 2Ar$	3.00×10^{-15}	0.00	0.00	0.00	0.00	0.00	0.00	[1]
4	$Ar(\alpha) + 2Ar \rightarrow Ar_2 + Ar$	1.10×10^{-31}	0.00	0.00	0.00	0.00	0.00	0.00	[1]

No.	Reaction	A	n_g	E_g	n_e	E_e	$\Delta\varepsilon_e$	$\Delta\varepsilon_g$	Ref.
5	$Ar + e \rightarrow Ar(\alpha) + e$			EEDF			1.16×10^{1}	0.00	[1] [3]
6	$Ar + e \rightarrow Ar^+ + 2e$			EEDF			1.57×10^{1}	0.00	[1] [4,5]
7	$Ar(\beta) + e \rightarrow Ar^+ + 2e$			EEDF			4.14	0.00	[1]
8	$Ar(\alpha) + e \rightarrow Ar + e$			EEDF			-1.16×10^{1}	0.00	[1]
9	$Ar + e \rightarrow Ar + e$			EEDF			0.00	0.00	[1]

[1]Species ‘Ar(β)’ has been lumped into ‘Ar*’
[2]Species ‘Ar(α)’ has been lumped into ‘Ar*’
[3]This is a test
[4]this one
[5]has 2 notes

References

[1] Dimitris P Lymberopoulos and Demetre J Economou. "Fluid simulations of glow discharges: Effect of metastable atoms in argon". In: *Journal of applied physics* 73.8 (1993), pp. 3668–3679.