ภาคผนวก ค

ตารางแสดงข้อมูลของการวิจัยไนโตรเจนในต่างประเทศแบบต่าง: ที่มา (Hariri A. 1990)

Type of Excitation and Preionization	Gas Mixture and Total pressure (torr)	Input Energy (J)	Output Energy (mJ)	Efficiency %	Pulse Repetition Rate (Hz)	FWHM (ns)	Length of Eletrode L(cm)	Eout (mJ)/L(cm) x 10-2	Ref
TEA(C-to-C),with mesh eletrodes	N2-He(800)	48	20	0.04	1	4	64	31	11
"	N2(55)	3.6	2.3	0.065	1to50	7	10	23	12
TEA,with UV illumination	N2(760)	0.07	0.045	0.06	<50	0.68	1.3	3.5	13
TEA,with auxiliary discharge	N2(<150)	21	1.2	0.006	1	9	35	3.4	9
	N2-He(760)	21	4.5	0.02	1	9	35	13	"
	N2-He-NF3 (760)	21	10	0.05	1	9	35	29	"
TEA (C-to-C),with wire preionization	N2(120)	1.3	0.15	0.012	10	2.5	20	0.75	10
	N2-He(200)	1.3	0.2	0.015	10	2.5	20	1	"
TEA,with traveling wave excitation	N2(760)	1	0.2	0.02	5to50	0.9	40	0.5	23
TEA (C-to-C),with high quality electrodes	N2(760)	0.053	0.038	0.07	50	1	20	0.19	25
TEA,with strong corona source gap separation (~2mm)	N2(320)	2.8	0.9	0.032		1.4	25	3.6	14
	N2(760)	2.8	0.6	0.021		0.9	25	2.4	"
" (~2.5mm)	N2(760)	0.16	0.075	0.05	30to100	0.5	5	1.5	15
" (~6mm)	N2(760)	0.19	0.074	0.039	5,25	1	55	0.13	24

" (~2.5 mm)	N2(760)	0.2	0.35	0.18		0.9	12	2.9	22
TEA ,with weak corona source (35mm)	N2(350) N2(760)	0.92 0.92	0.18 0.01	0.02 0.001	10to50 "	2.5 1.8	34 34	0.52 0.03	this work