Table 1. Number of articles, authors, B.Sc., M.Sc., and Ph.D. theses in the period 1962–1985.

Tabela 1. Broj radova, autora, diplomskih, i magistarskih radova i doktorskih disertacija u periodu 1962–1985.

Year godina	No of publications Br. članaka	No of authors Br. autora	B.Sc. Dipl.	M.Sc. Mag.	Ph D. Dokt.
1962	1	1			
1963	0				
1964	2	2			
1965	1	1			
1966	0				
1967	0				
1968	2	4			
1969	4	4		1	
1970	15	13			
1971	11	9	1	2	
1972	10	11			1
1973	10	3	2	1	
1974	16	16	1		1
1975	14	15	2	1	
1976	23	16	1	1	
1977	13	14	1	1	1
1978	23	16		1	1
1979	17	14		1	
1980	30	19	1		
1981	26	17	1		1
1982	46	19	1		2
1983	31	19		1	
1984	41	22		1	1
1985	35	21		1	1

Table 2. Atom and ion Stark broadening parameters w and d measured by Yugoslav scientists. With a is denoted Josephson type plasma source; b – pulsed arc; c – T–tube; d – wall stabilized arc; e – Z–pinch; f – shock tube; g – pulsed discharge in a holow cathode.

Tabela 2. Atomi i joni za koje su Jugoslovenski istraživači merili Štarkove parametre w i d. Sa a je označen izvor plazme Džozefsonovog tipa; b – impulsni luk; c – T–cev; d – zidno–stabilisani luk; e – Z–pinč; f – udarna cev; g – Varničnо pražnjenje sa šupljom katodom

Element Element	No of lines for which is measured Broj linija za koje je mereno w – d	Plasma source izvor plazme	T(K)	References Reference
He I	2 2	a, b	3700–39000	23, 358
Li I	2 2	c	15000–26000	113, 119

Table 2 (continued)

C I	9	–	d	12500–12700	40, 51, 72, 162
F I	28	9	c, d, e	17500–36200	39, 107, 120 203, 295
Na I	2	2	c	15000–26000	85, 106, 113 119
Al I	3	–	c	17500	173, 208
Si I	10	10	c	8700–25000	50, 54, 55, 70, 258
Cl I	7	3	b, e	8800– 9700	18, 19, 20, 33
Ar I	9	–	d	10100–12500	36, 45, 46
K I	2	2	c	15000–26000	85, 113, 119
Rb I	2	2	c	15000–26000	113, 114, 119
Cs I	1	1	c	15000–26000	173, 208, 248, 363
Ne I	20	20	c	12000–25000	258, 255, 324, 359
Co I	5	5	c	13700–18100	254, 258, 287
Ni I	1	1	c	13700–18100	258
Cu I	2	2	c	13700–18100	258
Zn I	3	3	c	13700–18100	258
Pd I	1	1	c	13700–18100	258
Ag I	2	2	c	13700–18100	254, 258
Br I	5	–	d	9400	314, 315, 351
Hg I	3	3	c	13700–18100	258
In I	4	4	c	13700–18100	258, 259
Be II	2	2	c, e	14200–34800	32, 43, 44, 49
C II	2	–	b	26300	136
N II	16	–	b, c, e	16200–32800	17, 30, 39, 84, 205, 237, 351
O II	21	–	b	25900	81, 82
F II	5	–	b	24200	94, 101, 116
Ne II	9	–	b	28300	118, 134, 313 350
Mg II	2	3	c, e	14200–34800	43, 44, 48 49
Si II	16	16	c	8700–26000	21, 26, 43, 54, 55, 70, 103, 139, 258, 282, 288
Cl II	35	32	b, c	13330–18600	22, 28, 29, 33, 35, 43

Table 2 (Continued)

Ar II	23	23	c, e	8500–31800	7, 16, 43, 54, 58, 205, 238, 276, 313, 350
Ca II	5	5	c, e	10300–34800	34, 37, 43, 44, 48, 49
Sr II	6	6	c, e	10300–34800	34, 43, 44, 48, 49
Ba II	5	5	c, e	14200–34800	32, 43, 48, 49
P II	5	5	c	6000–20000	247, 256, 280, 286, 363
In II	1	1	c	13700–18100	258, 299
Sn II	1	1	c	16000–20000	247, 256, 280, 286, 363
Sb II	1	1	c	16000–20000	247, 256, 280, 286, 363
Cr II	3	3	c	13700–18100	258, 281
Xe II	5	–	f	8000–10000	249, 276, 290, 313, 327, 350
Kr II	3	–	f	8000–10000	290, 350
Al II	3	3	c	16000–20000	363
Pb II	3	3	c	16000–20000	247, 256, 280, 286, 363
Bi II	4	2	c	16000–20000	247, 256, 280, 286, 363
Ne III	2	–	b	34000	312
Kr III	1	–	b	26000	312
Xe III	1	–	b	27000	312
N III	4	–	b	24300	84
O III	6	–	b	25900	81, 82
Si III	9	3	b, c	8700–25600	54, 55, 70, 117
Al III	8	–	g		2
S III	16	–	b	28500	135, 158
Cl III	15	–	b	24200	94, 102, 116
Ar III	8	–	b, e	21000–31800	59, 68, 80, 205
Si IV	4	–	b	25600	117
S IV	1	–	b	28500	135, 158
Ar IV	2	–	b	20750–22200	59, 68, 80
58	360	187		Total number – Ukupan broj	

Table 3. Scientists with the most bibliographical references in spectral line shapes investigations in the period 1889–1987 according to the bibliographies by Fuhr et al (1972, 1974, 1975, 1978).

Tabela 3. Istraživači sa najviše bibliografskih jedinica u istraživanju oblika spektralnih linija u periodu 1889–1978, prema bibliografijama Fuhr et al (1972, 1974, 1975, 1978).

No. — Br.	Name — Ime	No. Ref. — Br. ref.
1.	H.R. Greim	69
2.	J. Cooper	64
3.	S.Y. Ch'en	48
4.	E.W. Smith	35
5.	N. Konjević	33
6.	I.I. Sobel'man	28
7.	G.V. Sholin	26
8.	H. Margenau	25
9–12.	H.J. Kusch	27
9–12.	S. Sahal–Bréchot	22
9–12.	J. Purić	22
9–12.	H. Van Regemorter	22
13–14.	L. Herman	21
13–14.	M. Platiša	21
15–16.	R. Granier	20
15–16.	J. Labat	20

	I a	I b	II a	II b	III a	III b	IV a	IV b	V a	V b	VI a	VI b	VII a	VII b	VIII
1															He
2	Li						C		N		O		F		Ne
3	Na		Mg		Al		Si		P		S		Cl		Ar
4	K		Ca												
			Zn				Ge						Br		Kr
5	Rb														
			Cd				Sn								Xe
6	Cs														
							Pb								

Fig. 1. Neutral emitters.

	I a	I b	II a	II b	III a	III b	IV a	IV b	V a	V b	VI a	VI b	VII a	VII b	VIII
1															
2			Be		B		C		N		O		F		Ne
3			Mg		Al		Si		P		S		Cl		Ar
4			Ca												
			Zn				Ge								
5			Sr												
			Cd				Sn								
6			Ba												
			Hg				Pb		Bi						

Fig. 2. Singly charged ions.

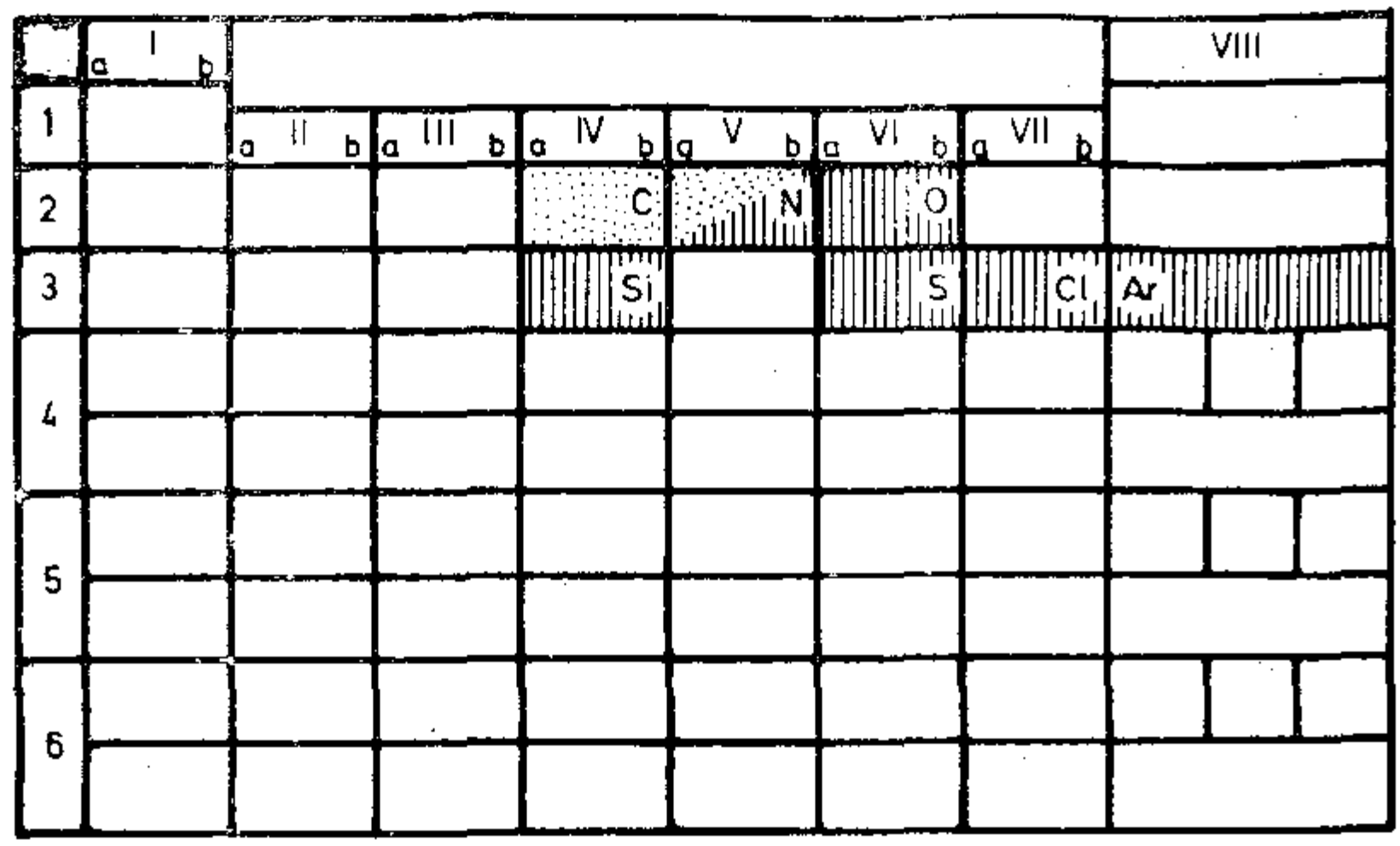

Fig. 3. Doubly charged ions.

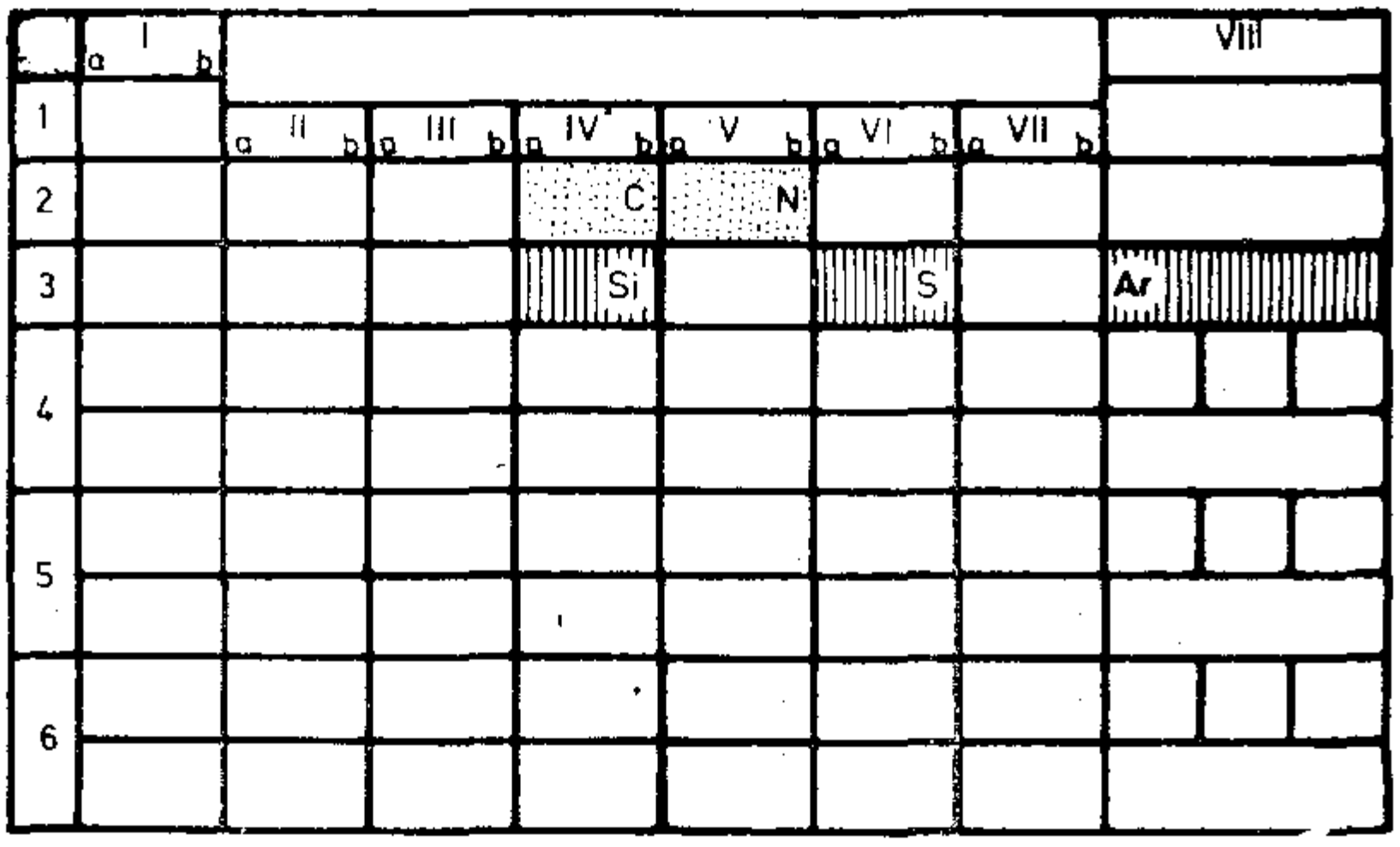

Fig. 4. Triply charged ions.

Figures 1—4. Emitters for which reliable experimental Stark broadening data exist for the most intensive lines (91, 92, 310, 311).
If only results obtained by non Yugoslav authors exist, the base is doted. The base is partially dotted and partially with lines if results of Yugoslav and non Yugoslav authors exist, and only with lines if all results are obtaines in Yugoslav laboratoreis.
Emiteri za čije najintenzivnije linije postoje pouzdani eksperimentalni podaci za Štarkove parametre (19, 82, 310, 311).
Ako postoje samo rezultati inostranih autora, podloga je tačkasta. Podloga je delimično tačkasta ako ima rezutlata i naših i stranih autora a šrafirana je ako su svi postojeći rezultati dobijeni u našim laboratorijama.

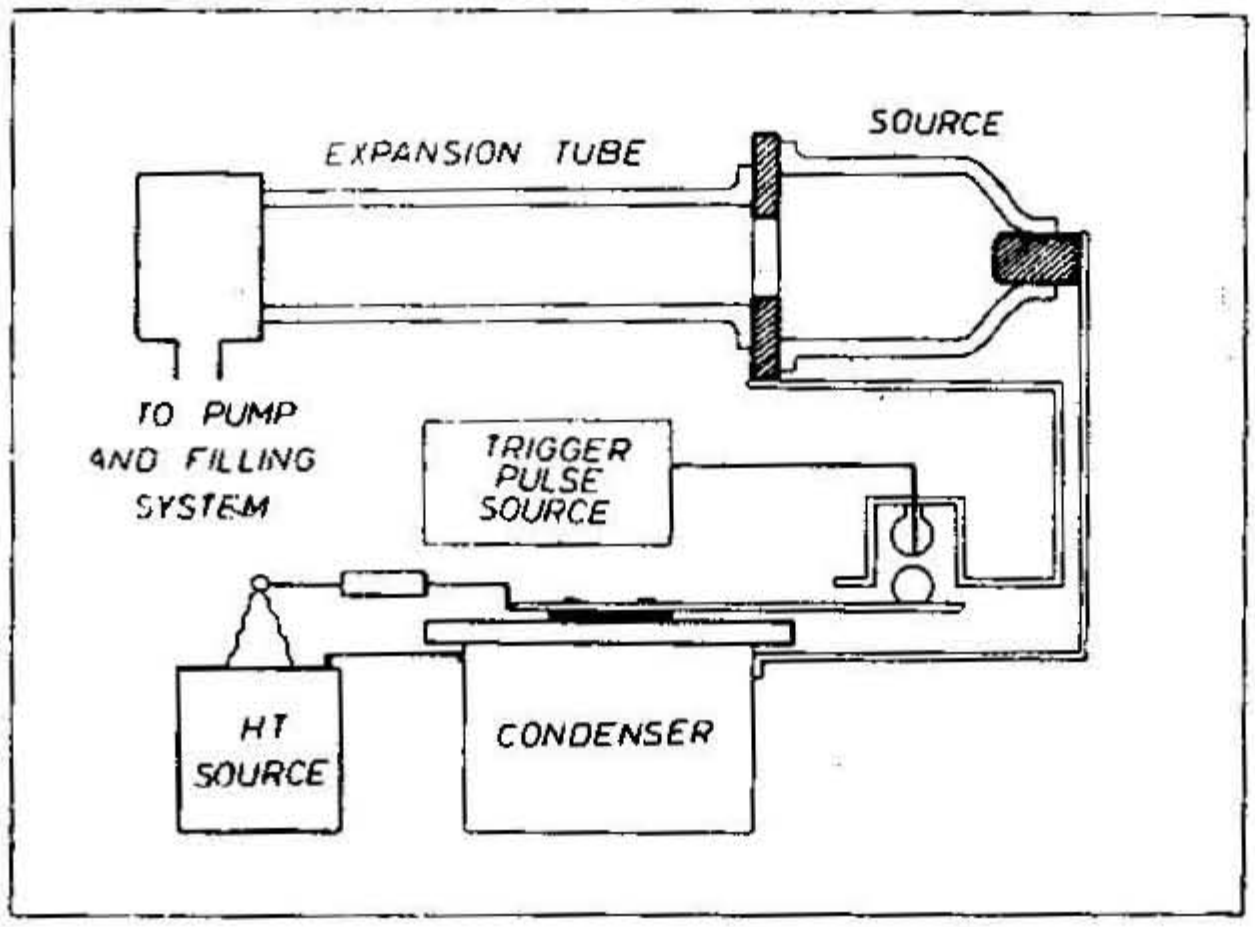

Figure 5. The plasma source of Josephson type.
Izvor plazme je Džozefsonovog tipa.

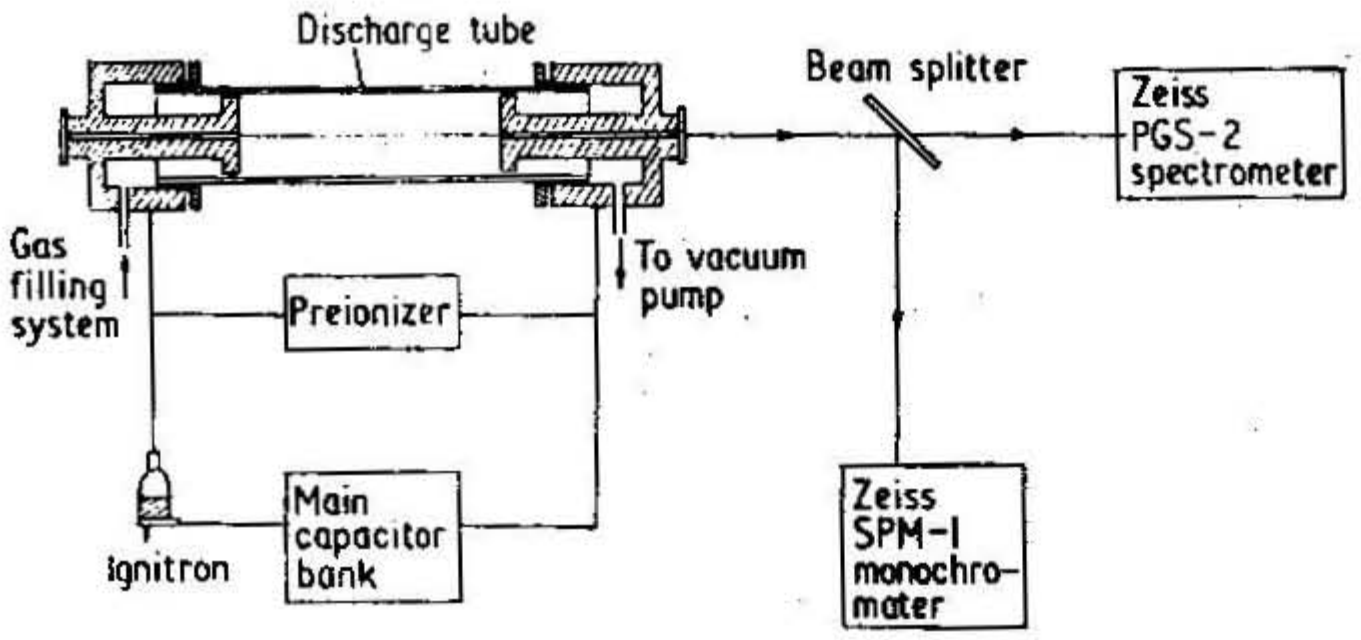

Figure 6. Pulsed arc.
Impulsni luk.

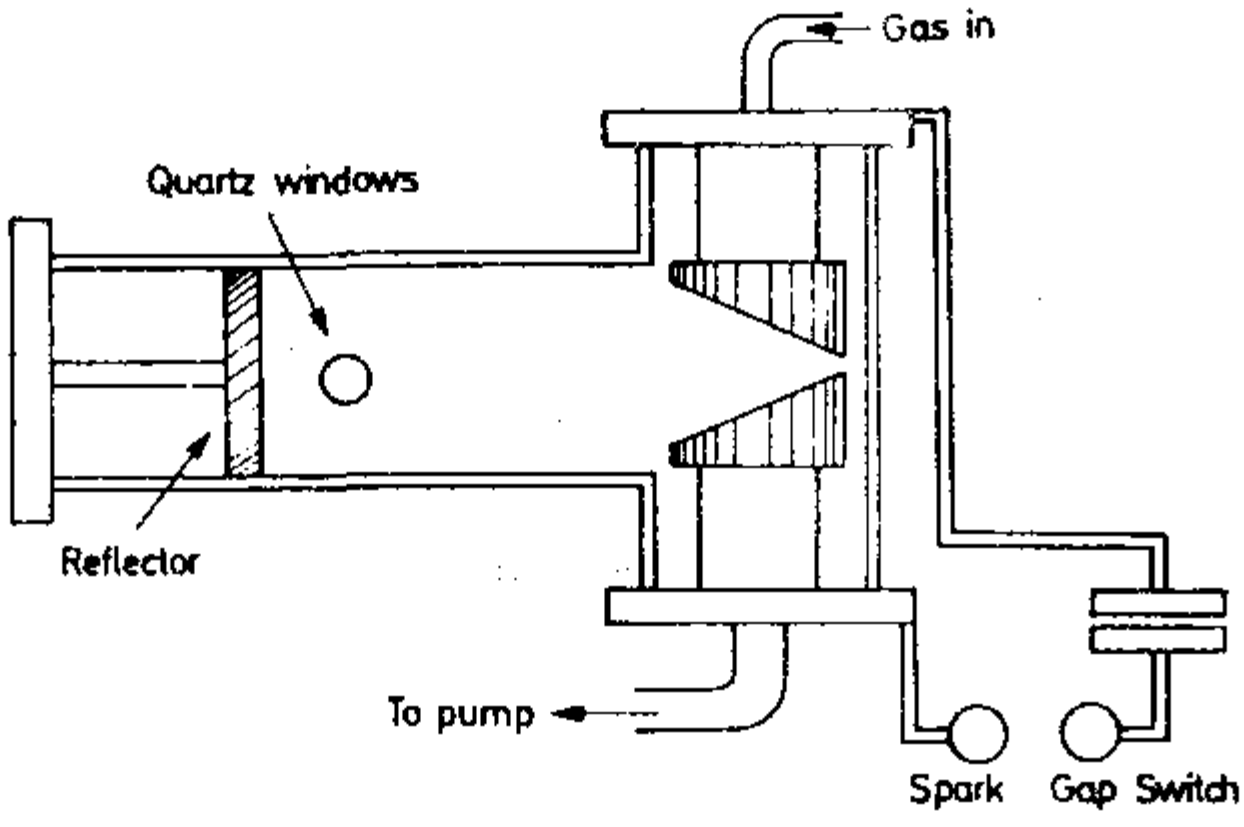

Figure 7. Electromagnetically driven T—tube.
Elektro magnetski pokretana T cev

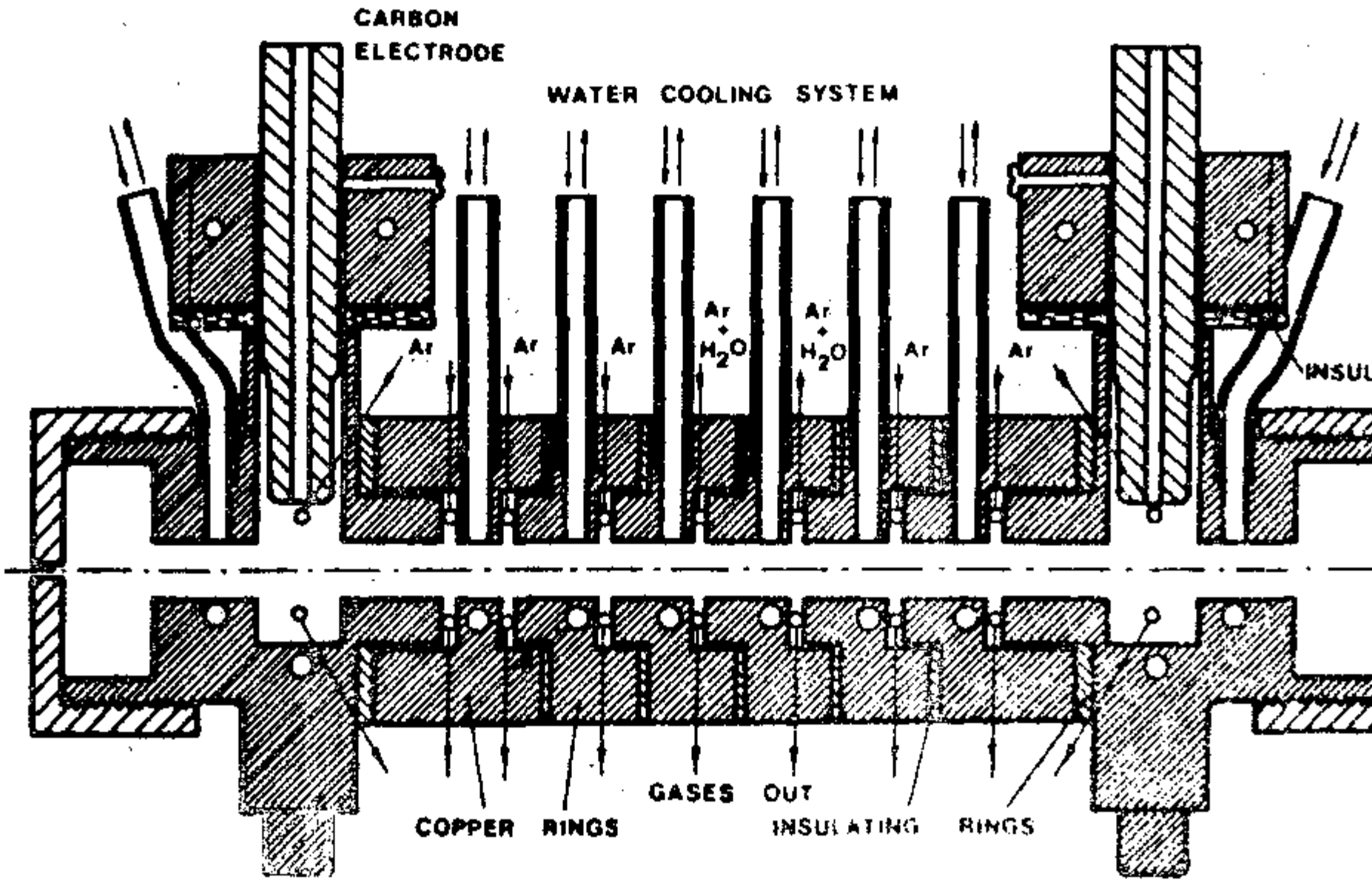

Figure 8. Wall stabilized arc.
Zidno stabilisani luk.

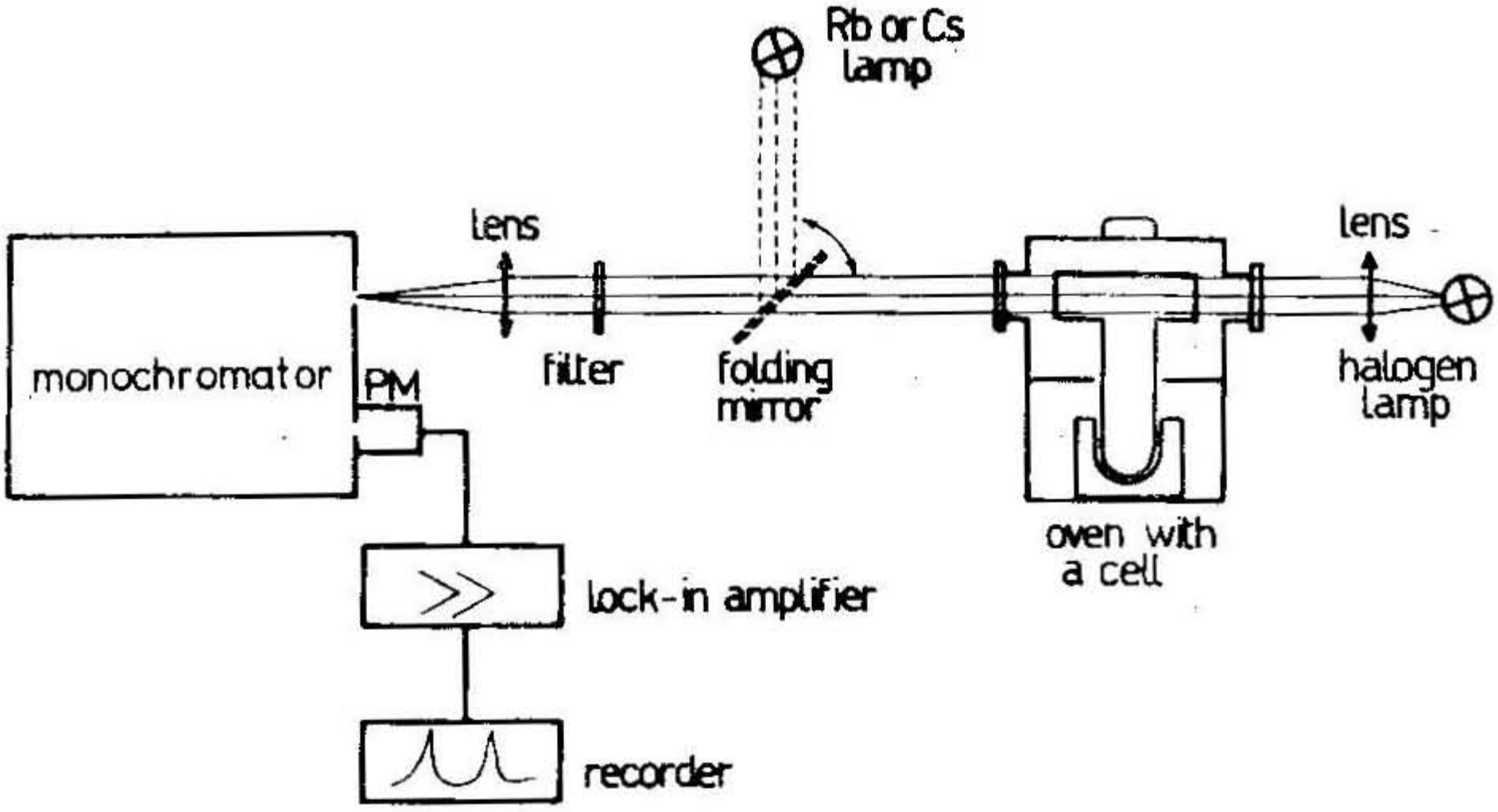

Figure 9. Low pressure lamp.
Lampa sa niskim pritiskom.