

**II. 1. CITATION INDEX OF ARTICLES  
FROM 1962--1985 PERIOD**

**INDEKS CITATA ČLANAKA  
IZ PERIODA 1962--1985**

**1962**

1. Vujnović, V., Harrison, J. A., Crags, J. D.: 1962, *Balmer Line Profiles in a Capillary Discharge*, Proc. Phys. Soc. (London) **80**, 516.

**1968**

- Pavlov, M.: 1968, Annual Review of the Faculty of Arts and Natural Science, Novi Sad, **XI/2**, 1.

**1964**

2. (1) Mazing, M. A., Marinković, M. D., Vrublevskaya, N. A.: 1964, *Broadening and Shift of the Al III Spectral Lines in Strongly Ionized Plasma*, Bull. Boris Kidrič Inst. Nucl. Sci. **15**, 15.

3. Vujnović, V.: 1964, *Dissolution of Hydrogen Spectral Lines at higher Ion Densities*, Glasnik Mat. Fiz. Astron., Ser. II, **19**, 97.

**1992**

- Gavrilova, T. V.: 1992, *Analysis of Experimental-Data on Probabilities of Transitions in Inert-Gas Atoms*, Opt. Spektroskop., **73**, 449.

**1965**

4. Vujnović, V.: 1965, *Behaviour of the First Balmer Lines in a High Density Plasma*, Int. J. Electronics, **18**, 411.

**1992**

- Gavrilova, T. V.: 1992, *Analysis of Experimental-Data on Probabilities of Transitions in Inert-Gas Atoms*, Opt. Spektroskop., **73**, 449.

**1968**

5. (2) Ćirković, Lj. M., Labat, J. M., Purić, J. M.: 1968, *Determination of spectral line profiles with Fabry-Perrot interferometer with axicon*, IV SPIG, Herceg Novi 1968, 35.

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6. (3) Pavlov, M., Prasad, A. N.: 1968, *Experimental Studies of the Wing Broadening of the D Beta Line*, Z. Physik 209, 244.
- 1968**
- Pavlov, M.: 1968, Annual Review of the Faculty of Arts and Natural Science, Novi Sad, **XI**/2, 1.
- 1969**
- Pavlov, M.: 1969, Annual Review of the Faculty of Arts and Natural Science, Novi Sad, **XII**/2, 1.
- 1978**
- Pavlov, M., Terzić, M.: 1978, Review of Research, Faculty of Science, University of Novi Sad, **8**, 127.
- 1991**
- Mijatović, Z., Pavlov, M., Djurović, S.: 1991, Phys. Rev. A, **43**, 6095.
- Mijatović, Z., Pavlov, M., Djurović, S., Vujičić, B., Kobilarov, R.: 1991, JQSRT, **46**, 557.
- 1969**
7. (4) Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1969, *Measurements of the Stark Broadening of Several Ar II Lines*, IX Int. Conf. Phen. Ioniz. Gases, Bucharest, 593.
- 1991**
- Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.
8. (5) Konjević, N. M., Labat, J. M., Ćirković, Lj., Purić, J.: 1969, *Merenje Štarkovog širenja spektralnih linija jedanput ionizovanog argona*, Interna publikacija, Institut za fiziku, Beograd.
9. (6) Purić, J. M.: 1969, *Ispitivanje parametara plazme stvorene udarnim talasom u helijumu*, Magistarski rad, Beograd PMF.
10. (7) Purić, J., Labat, J. M., Ćirković, Lj., Konjević, N. M.: 1969, *Eksperimentalno proučavanje Štarkovog širenja linije 5876 Å neutralnog helijuma u plazmi*, Interna publikacija, Institut za fiziku, Beograd.
- 1970**
12. (8) Konjević, N.: 1970, *Širenje spektralnih linija u plazmi* (Predavanje održano na Kongresu MFAJ, Ohrid ), Institut za fiziku, Odeljenje za fiziku ionizovanih gasova, Beograd.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

13. (9) Konjević, N., Ćirković, Lj., Labat, J.: 1970, *Laser Interferometric Measurements of Electron Density in a Shock Wave Plasma*, Fizika 2, 121.  
**1988**  
Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.
14. (10) Konjević, N., Grujić, P., Ćirković, Lj., Labat, J.: 1970, *A study of the Stark broadening of isolated ion lines in plasmas*, V SPIG, Herceg Novi, Contributed papers, p. 93.
15. (11) Konjević, N., Grujić, Lj., Labat, J.: 1970, *A Study of the Stark Broadening of Isolated Ion Lines in Plasmas*, Fizika suppl. 2, 81.
16. (12) Konjević, N., Labat, J., Ćirković, Lj., Purić, J.: 1970, *Measurements of the Stark Broadening Parameters of Some Singly Ionized Argon Lines*, Z. Physik, 235, 35.  
**1988**  
Nick, K. -P.: 1982, *Analyse des Plasmazustandes und Bestimmung atomarer Konstanten in einem Argon - Kaskadenbogen*, Dissertation zur Erlangung des Doktorgrades der Mathematisch - Naturwissenschaftlichen Fakultät der Christian - Albrechts - Universität zu Kiel.
- 1991**  
Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.
17. (13) Konjević, N., Mitrović, V., Ćirković, Lj., Labat, J.: 1970, *Measurement of the Stark Broadening Parameters of Several Singly Ionized Nitrogen Lines*, Fizika 2, 129.  
**1988**  
Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.  
**1993**  
Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. -J.: 1993, Phys. Rev. E 47, 3623.  
Djeniže, S., Labat, J. M., Purić, J.: 1993, XXI ICPIG, Bochum, 227.
18. (14) Konjević, N., Platiša, M.: 1970, *Measurements of the Stark Broadening Parameters of several Cl I Lines*, V. SPIG Herceg Novi, Contributed papers, p. 95.
19. (15) Konjević, N., Platiša, M.: 1970, *Measurements of the Stark Broadening Parameters of several Cl I Lines*, Fizika 2 suppl. 1, 83.  
**1989**  
Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

Milan S.Dimitrijević

20. (16) Konjević, N., Platiša, M., Labat, J.: 1970, *Experimental Study of the Stark Broadening of Neutral Chlorine Lines*, Phys. Lett. A 32, 420.  
1989  
Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.  
1990  
Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.  
1991  
Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B. 24, 1251.
21. (17) Konjević, N., Purić, J., Ćirković, Lj., Labat, J.: 1970, *Measurements of the Stark Broadening Parameters of several Si II Lines*, J. Phys. B 3, 999.  
1990  
Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.  
Perez C., De la Rosa M. I., De Frutos A. M., Gonzales V. R., Mar S.: 1990, *Stark broadening of several SiII lines*, Ann. de Physique, Coll. No3, Suppl. au No 3, 15, 115.  
1991  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
22. (18) Konjević, N., Radivojević, D., Ćirković, Lj., Labat, J.: 1970, *Investigation of the Stark Broadening of Several Cl II Lines*, J. Phys. B 3, 1742.  
1988  
Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.  
1989  
Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.  
1991  
Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B. 24, 1251.  
Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.
25. (19) Purić, J., Labat, J., Ćirković, Lj., Konjević, N.: 1970, *Experimental Study of Stark Broadening of Neutral Helium Line 5876 in a Plasma*, 1970, Fizika 2, 67.  
1991  
Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

1971

26. (20) Bojović, V.: 1971, *Merenje parametara Štarkovog širenja izolovanih Si II linija*, Diplomski rad, Beograd, PMF
27. (21) Konjević, N., Platiša, M.: 1971, *On the Application of Griem's Semiempirical Formula for the Computation of Stark Widths of Isolated Ion Lines in Plasmas*, III Conf. Europ. Group for Atomic Spectrosc., Univ. Reading, 191.
28. (22) Konjević, N., Platiša, M., Purić, J.: 1971, *Electron Impact Broadening of Ionized Chlorine Lines*, J. Phys. B **4**, 1541.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

1989

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

1991

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B **24**, 1251.

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

29. (23) Konjević, N., Platiša, M., Purić, J.: 1971, *Stark Broadening of Cl II Lines*, Proc. X Int. Conf. Phen. Ioniz. Gases, Oxford, Donald Parsons & Co., 382.
30. (24) Mitrović, V.: 1971, *Merenje parametara Štarkovog širenja nekoliko linija jednostruko ionizovanog azota*, Magistarski rad, Univerzitet u Beogradu.
31. (25) Platiša, M., Purić, J.: 1971, *Analysis of Instrumental Profile of Axicon-Scanned Fabry-Perot Spectrometer*, Fizika **3**, 175.
32. (26) Platiša, M., Purić, J., Konjević, N., Labat, J.: 1971, *Measurement of Electron-Impact Broadening of Ionized Beryllium and Barium Lines in an Electric Shock Tube Plasma*, Astron. Astrophys. **15**, 325.

1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, **48**, 397.

1993

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 59.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 181.

33. (27) Purić, J., Konjević, N., Platiša, M., Labat, J.: 1971, *Stark Shifts of Cl I and Cl II Lines*, Phys. Lett. **37**, 425.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

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**1991**

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

34. (28) Purić, J., Platiša, M., Konjević, N.: 1971, *Stark Broadening of Singly Ionized Strontium and Calcium Lines*, Z. Phys. **247**, 216.  
35. (29) Radivojević, D.: 1971, *Ispitivanje Štarkovog širenja nekoliko Cl II linija*, Magistarski rad, Univerzitet u Beogradu.

**1972**

37. (30) Hadžiomerspahić, D., Konjević, N., Platiša, M., Popović, M.: 1972, *Stark Broadening and Shift of Calcium Ion Lines*, VI SPIG, Miljevac by Split, 221.  
38. (31) Konjević, N.: 1972, *On the Electron-Impact Broadening of Isolated Spectral Lines of Heavy Elements in Plasma*, VI SPIG, Miljevac by Split, 217.  
39. (32) Konjević, N., Platiša, M., Popović, M.: 1972, *Stark Broadening and Shift of Fluorine I Lines*, Z. Phys. **257**, 235.  
42. (33) Purić, J.: 1972, *Experimental Study of Stark Broadening of Ion Lines in Plasmas*, in Physics of Ionized Gases 1972 (Proc. of invited lectures given at VI SPIG, Miljevac by Split 1972), ed. M. Kurepa, Institute of Physics, Beograd, p. 521.  
43. (34) Purić, J.: 1972, *Ispitivanje Štarkovog širenja i pomeraja spektralnih linija neutralnih atoma i jona u plazmi*, Doktorska teza, Univerzitet u Beogradu, Institut za fiziku.

**1991**

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

**1988**

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

**1989**

Kljajić, S.: 1989, Diplomski rad, Fizički fakultet, Beograd.

**1990**

Paunović, D. R.: 1990, Diplomski rad, Fizički fakultet, Beograd.

**1991**

Panić, Z.: 1991, Diplomski rad, PMF, Beograd.

44. (35) Purić, J., Konjević, N.: 1972, *Stark Shifts of Some Isolated Spectral Lines of Singly Ionized Earth Alkaline Metals*, Z. Phys. **249**, 440.

**1988**

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1989

Konjević N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

### 1990

Djeniže S., Srećković A., Platiša M., Labat J., Konjević R., Purić J.: 1990, *JQSRT* **44**, 405.

Djeniže S., Srećković A., Platiša M., Konjević R., Labat J., Purić J.: 1990, *Phys. Rev. A* **42**, 2379.

Djeniže, S., Srećković, A., Labat, J.: 1990, *Z. Physik D*, **17**, 85.

Konjević, N.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. **216**) eds. L. Fromhold, J. W. Keto, AIP, New York, 19

### 1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

Djeniže, S., Labat, J., Srećković, A., Labat, O., Platiša, M., Purić, J.: 1991, *Physica Scripta* **44**, 148.

Djeniže, S., Srećković, A., Labat, J., Konjević, R., Popović, L.: 1991, *Phys. Rev. A* **44**, 410.

Popović, L. Č.: 1991, Magistarski rad, Fizički fakultet, Beograd 1991.

Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1991, *Z. Phys. D* **21**, 295.

### 1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, *JQSRT*, **48**, 397.

Popović, L., Srećković, A., Djeniže, S.: 1992, 11 ICSLS, Carry le Rouet, A25.

Brnović, M. J.: 1992, Magistarski rad, Fizički fakultet, Beograd.

Djeniže, S., Srećković, A., Labat, J., Konjević, R., Brnović, M.: 1992, *Z. Phys. D* **24**, 1.

Wiese, W. L., Konjević, N.: 1992, *JQSRT* **47**, 185.

Djeniže, S., Srećković, A., Labat, J.: 1992, *Astron. Astrophys.* **253**, 632.

### 1993

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, *JQSRT*, **49**, 157.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 59.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 181.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 185.

Srećković, A., Djeniže, S.: 1993, *Bull. Astron. Belgrade*, **148**, 7.

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- Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993,  
Contrib. Plasma Phys. **33**, 193.
- Srećković, A., Djeniže, S.: 1993, XVI SPIG, Beograd, 197.
- Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.
45. Tonejc, A.: 1972, *Measurements of Halfwidths of Certain Argon Lines*,  
JQSRT **12**, 1713.  
**1991**  
Purić, J., Djeniže, S., Labat, J., Srećković, A., Platiša, M.: 1991, Contrib. -  
Plasma Phys. **31**, 63.
46. Tonejc, A. M., Acinger, K., Vujnović, V.: 1972, *Measurements of Halfwidths  
of Some Argon Lines in a Wall-Stabilized Cascade Arc*, JQSRT **12**, 305.  
**1982**  
Nick, K. -P.: 1982, *Analyse des Plasmazustandes und Bestimmung  
atomarer Konstanten in einem Argon - Kaskadenbogen*, Dissertation  
zur Erlängung des Doktorgrades der Mathematisch - Naturwissen-  
schaftlichen Fakultät der Christian - Albrechts - Universität zu  
Kiel.
- 1973**
47. (36) Grubor, D., Popović, M. M., Urošević, V. V.: 1973, *Time dependence of line  
profiles in argon pulsed discharges*, XI ICPIG, Prague, 403.
48. (37) Hadžiomerspahić, D.: 1973, *Stark-ovo širenje i pomjeraj spektralnih linija  
jedanput ionizovanih atoma zemno-alkalnih metala*, Magistarski rad,  
Beograd ETF.
49. (38) Hadžiomerspahić, D., Platiša, M., Konjević, N., Popović, M.: 1973, *Stark  
Broadening and Shift of Some Isolated Spectral Lines of Singly Ionized  
Earth Alkaline Metals*, Z. Phys. **262**, 169.
- 1989**
- Konjević N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman,  
Beograd, 382.
- 1990**
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from  
Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356,  
Springer Verlag, 31.
- 1992**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, **48**, 397.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, 11 ICSLS, Carry le Rouet,  
A 37.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1993

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, JQSRT, **49**, 157.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 59.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 181.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 185.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, in Spectral Line Shapes Vol. 7 (eds. R. Stamm and B. Talin), Nova Science Publ. Inc., 537.  
Srećković, A., Djeniže, S.: 1993, Bull. Astron. Belgrade, **148**, 7.  
Srećković, A., Djeniže, S.: 1993, XVI SPIG, Beograd, 197.

50. (39) Lakićević, I.: 1973, *Štarkovo širenje i pomjeranje Si II linija u plazmi*, Diplomski rad, Beograd PMF.

51. Müller, D., Pichler, G., Vadla, Č.: 1973, *Determination of the Stark Width of the CI 2478 Spectral Line*, Phys. Lett. A **46**, 247.

### 1990

- Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

53. (40) Purić, J., Ćirković, Lj.: 1973, *Regularities in Stark broadening parameters*, IX ICPIG, Prague, 398.

54. (41) Purić, J. M., Djeniže, S. I., Ćirković, Lj. M., Labat, J. M.: 1973, *Stark Shift Measurements of Ionized Argon and Silicon Lines*, XI ICPIG, Prague, 445.

55. (42) Purić, J., Djeniže, S., Labat, J., Ćirković, Lj.: 1973, *Stark Shift of Neutral and Ionized Silicon Spectral Lines*, Phys. Lett. A **45**, 97.

56. (43) Sušić, R.: 1973, *Merenje elektronske koncentracije plazme pomoću laserskog interferometra Štarkovog profila H beta linije*, Diplomski rad, Beograd, PMF.

### 1974

57. (44) Dimitrijević, M. S., Grujić, P., Konjević, N.: 1974, *On the Stark Broadening Theory of Singly Ionized Atoms*, VII, SPIG, Rovinj, 249.

58. (45) Labat, J., Djeniže, S., Ćirković, Lj., Purić, J.: 1974, *Stark Shifts of Singly Ionized Argon Lines*, J. Phys. B **7**, 1174.

### 1991

- Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

59. (46) Mićunović, J.: *Štarkovo širenje spektralnih linija višestruko ionizovanog argona*, Diplomski rad, Beograd, PMF.

60. Niemax, K., Pichler, G.: 1974, *Asymmetric Self-Broadening of Cs Principal Lines*, J. Phys. B **7**, 1204.

Milan S.Dimitrijević

1974

Pichler, G.: 1974, Dissertation zur Erlangung des Doktor grades der Mathematisch - Naturwissenschaftlichen Fakultat der Christian - Albrechts - Universitat zu Kiel.

61. Niemax, K., Pichler, G.: 1974, *Asymmetric Self-Broadening of Cs Resonance Lines*, J. Phys. B 7, 2355.

1992

Beuc, R., Horvatić, V.: 1992, *The investigation of the satellite rainbow in the spectra of diatomic molecules*, J. Phys. B, 25, 1497.

68. (47) Platiša, M., Popović, M., Dimitrijević, M., Konjević, N.: 1974, *Stark Broadening of Ar III and Ar IV Lines*, VII SPIG, Rovinj, 245.

69. (48) Purić, J., Ćirković, Lj., Labat, J.: 1974, *Regularities in Stark Broadening Parameters*, Fizika 6, 211.

70. (49) Purić, J., Djeniže, S., Labat, J., Ćirković, Lj.: 1974, *Stark Broadening Parameters of Si I, Si II and Si III Lines*, Z. Phys. 267, 71.

1990

Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.

Perez C., De la Rosa M. I., De Frutos A. M., Gonzales V. R., Mar S.: 1990, *Stark broadening of several Si II lines*, Ann. de Physique, Coll. No3, Suppl. au No 3, 15, 115.

1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

1992

Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, J. Phys. B 25, 785.

Wiese, W. L., Konjević, N.: 1992, JQSRT 47, 185.

1975

73. (50) Djurović, S.: 1975, *Štarkovo širenje spektralnih linija vodonika H alfa i H beta u plazmi*, Diplomski rad, Institut za fiziku, Beograd.
74. (51) Koković, M.: 1975, *Štarkovo širenje spektralnih linija argona u plazmi*, Diplomski rad, Novi Sad PMF.
75. (52) Labat, J., Djeniže, S., Purić, J., Ćirković, Lj.: 1975, *Spectral Line Radiation of Perturbed Argon and Helium Plasma*, XII ICPIG, Eindhoven, 376.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

76. Niemax, K., Pichler, G.: 1975, *New Aspects in the Self-Broadening of Alkali Resonance Lines*, J. Phys. B **8**, 179.
- 1992
- Venkateswaran, S., Merkle, C. L., Thynell, S. T.: 1992, *Analysis of Direct Solar Thermal Rocket Propulsion*, J. of Propulsion and Power, **8**, 541.
- Woerdman, J. P., Nienhuis, G., Kuscer, I.: 1992, *Is it Possible to Rotate an Atom?*, Opt. Commun., **93**, 135.
78. (53) Pavlov, M., Radujkov, V., Platiša, M., Popović, M.: 1975, *Influence of Boundary Layer on H<sup>+</sup> and H<sup>+</sup> line Shapes*, XII ICPIG, Eindhoven, 372.
- 1978
- Pavlov, M., Terzić, M.: 1978, Review of Research, Faculty of Science, University of Novi Sad, **8**, 127.
79. (54) Pavlov, M., Terzić, M.: 1975, *Uticaj graničnog sloja plazme u T-cevi na oblik H linije*, VI MFAJ, Novi Sad, 155.
80. (55) Platiša, M., Popović, M., Dimitrijević, M. S., Konjević, N.: 1975, *Stark Broadening of A III and A IV Lines*, Z. Naturforsch. A **30**, 212.
- 1988
- Purić, J., Djeniže S., Srećković, A., Ćuk, M., Labat, J., Platiša, M.: 1988, Z. Phys. D, **8**, 343.
- Бабин С. А., Донин В. И., Родищевский А. В., Шапиро Д. А.: 1988, *Кулоновское уширение провала Лемба в Ar<sup>+</sup> электронном лазере*, Квантовая Електроника **15**, 1261.
- Purić J., Djeniže S., Srećković A., Ćuk M.: 1988, Fizika **20**, 485.
- 1989
- Hey J. D., Breger P.: 1989, *The Classical Krammers-Gaunt Factor in Stark Broadening*, J. Phys. B **22**, L79.
- Babin S. A., Donin V. I., Rodishevsky A. V., Shapiro D. A.: 1989, *Diagnostic of ion-laser plasma by nonlinear spectroscopy methods*, XIX ICPIG, Beograd, 750.
- 1990
- Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.
- Babin S. A., Shapiro D. A.: 1990, *Coulomb broadened spectral resonances*, in Spectral Line Shapes **6**, (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.
- Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

Milan S.Dimitrijević

1991

Istrefi, L.: 1991, I Gen. Conf. Balkan Phys. Union, Thessaloniki, 2-04

81. (56) Platiša, M., Popović, M., Konjević, N.: 1975, *Stark Broadening of O II and O III Lines*, XII ICPIG, Eindhoven, 369.

82. (57) Platiša, M., Popović, M., Konjević, N.: 1975, *Stark Broadening of O II and O III Lines*, Astron. Astrophys. **45**, 325.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

- Dufton, P. L., Fitzsimmons, A., Howarth, I. D.: 1990, *The chemical composition of a main-sequence star in the Small Magellanic cloud*, Astrophys. J. **362**, L59.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

- Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1991, Z. Phys. D **21**, 295.

1993

Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. -J.: 1993, Phys. Rew. E **47**, 3623.

Srećković, A., Djeniže, S., Platiša, M.: 1993, XVI SPIG, Beograd, 201.

83. (58) Popović, S., Konjević, N.: 1975, *On the Resonance Line Shape Measurements*, XII ICPIG, Eindhoven, 381.

84. (59) Popović, M., Platiša, M., Konjević, N.: 1975, *Stark Broadening of NII and N III Lines*, Astron. Astrophys. **41**, 463.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

1990

Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, Astron. - Astrophys., **227**, 291.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

1993

Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. -J.: 1993, Phys. Rew. E **47**, 3623.

Djeniže, S., Labat, J. M., Purić, J.: 1993, XXI ICPIG, Bochum, 227.

85. (60) Purić, J., Labat, J., Djeniže, S., Ćirković, Lj.: 1975, *Stark Broadening and Shift Parameters of Sodium and Potassium Resonant Lines*, XII ICPIG, Eindhoven, 368.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1976

87. (61) Dimitrijević, M. S.: 1976, *Analiza Štarkovog širenja spektralnih linija argona*, Magistarski rad, Institut za fiziku, Beograd.
88. (62) Dimitrijević, M.: 1976, *Threshold effects in Stark Broadening*, VIII SPIG, Dubrovnik, 424.
89. (63) Dimitrijević, M., Grujić, P.: 1976, *On the influence of the Polarisation Potential on Stark Broadening*, VIII SPIG, Dubrovnik, 427.
90. (64) Konjević, N.: 1976, *Stark Broadening of Non-Hydrogenic Atoms and Ion Lines in Plasma*, III ICSLS (Invited Lecture, Unpublished), London.
91. (65) Konjević, N., Roberts, J. R.: 1976, *A Critical Review of the Stark Widths and Shifts of Spectral Lines from Non-Hydrogenic Atoms*, J. Phys. Chem. Ref. Data 5, 109.

### 1982

- Nick, K. -P.: 1982, *Analyse des Plasmazustandes und Bestimmung atomarer Konstanten in einem Argon - Kaskadenbogen*, Dissertation zur Erlangung des Doktorgrades der Mathematisch - Naturwissenschaftlichen Fakultät der Christian - Albrechts - Universität zu Kiel.

### 1989

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1989, Bull. Obs. Astron. Belgrade, **141**, 57.  
Konjević N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

### 1990

- Kršljanin, V.: 1990, 22 EGAS, ed. A. Wannstrom, Univ. Uppsala, 757.  
Wiese W. L., Konjević N.: 1990, in. *Spectral Line Shapes 6* (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.  
Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.  
Konjević N., Uzelac N. I.: 1990, JQSRT **44**, 61.  
Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.  
Vujičić, B. T., Djurović, S., Pavlov, M., Mijatović, Z., Kobilarov, R.: 1990/91, Review of Research, Faculty of Science, University of Novi Sad, 20/21, 151.  
Konjević, N.: 1990, in *Spectral Line Shapes 6* (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 19  
Kršljanin, V., Marković-Kršljanin, S.: 1990, XV SPIG, Dubrovnik, 370.

Milan S.Dimitrijević

- Purić, J., Ćuk, M., Djeniže, S., Lesage, A.: 1990, X ICSLS, Austin, 165.
- Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin, 17.
- Purić J., Ćuk M., Djeniže S., Lesage A.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 609.
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Astron. Astrophys. Suppl. Series, 82, 519.
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- Manning, T. J., Winefordner, J. D., Palmer, B. A. Hof, D. E.: 1990, *Observation of Line Shifts and Line-Profiles in an Inductively Coupled Argon Plasma*, Spectrochimica Acta B, **45**, 1031.
- Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, **46**, 41.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.
- Konjević, N.: 1991, in Elementary processes in clusters, lasers and plasmas, eds. T. D. Mark, R. W. Schrittweiser, Studia, Innsbruck, 344.
- Perez, C., de la Rosa, I., de Frutos, A. M., Mar, S.: 1991, *Calibration of the Stark broadening parameters for some He I lines*, Phys. Rev. A **44**, 6785.
- Kilian, J., Montenbruck, O., Nissen, P. E.: 1991, *Chemical abundances in early B-type stars II. Line identification and atomic data for high resolution spectra*, Astron. Astrophys. Suppl. Series **88**, 101.
- Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, Spectrochimica Acta **46B**, 831.
- Bertuccelli, G., Di Rocco, N. O.: 1991, *Stark Widths of Singly Ionized Krypton and Broadening Regularities*, Physica Scripta **44**, 138.
- 1992**
- Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.
- Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, Spectrochimica Acta **47B**, 1173.
- Sohns, E., Kock, M.: 1992, *Plasma Diagnostics Based on Self-Reversed Lines I. Model Calculation and Application to Argon Arc Measurements in the Near-Infrared and Vacuum Ultraviolet Regions*, JQSRT, **47**, 325.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.

Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, *Astrophys. J.*, **387**, 673.

Heading, D. J., Marangos, J. P., Burgess, D. D.: 1992, *Helium Spectral Lineshapes in a Dense, Cool, Z-Pinch Plasma*, *J. Phys. B*, **25**, 4745.

Venn, K. A.: 1993, *CNO Abundances and the Evolutionary Status of Three A-Type Supergiants*, *Astrophys. J.*, **414**, 316.

#### 1993

Bajin, I.: 1993, Diplomski rad, PMF, Novi Sad.

Dohrn, A., Helbig, V.: 1993, *Stark broadening and - shift of neutral neon lines*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova Science 151.

Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.

Skuljan, Lj., Djeniže, S., Labat, J.: 1993, Proc. X Nat. Conf. Yug. Astronomers, Belgrade, eds. M. S. Dimitrijević, D. Djurović, Publ. Obs. Astron. Belgrade, **44**, 53.

92. (66) Konjević, N. Wiese, W. L.: 1976, *Experimental Stark Widths and Shifts for Non-Hydrogenic Spectral Lines of Ionized Atoms (A Critical Review and Tabulation of Selected Data)*, *J. Phys. Chem. Ref. Dat* **5**, 259.

#### 1982

Nick, K. -P.: 1982, *Analyse des Plasmazustandes und Bestimmung atomarer Konstanten in einem Argon - Kaskadenbogen*, Dissertation zur Erlängung des Doktorgrades der Mathematisch - Naturwissenschaftlichen Fakultät der Christian - Albrechts - Universität zu Kiel.

#### 1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

#### 1989

Konjević N.: 1989, *XIX ICPIG Invited papers*, ed. V. J. Žigman, Beograd, 382.

#### 1990

Kobilarov, R., Konjević, N.: 1990, *Phys. Rev. A*, **41**, 6023.

Dirocco, H. O.: 1990, *A General Trend for the Stark Widths of Single Ionized Noble-Gases*, *J. Appl. Phys.*, **68**, 3732.

Konjević N., Wiese W. L.: 1990, *J. Phys. Chem. Ref. Data* **19**, 1307.

Konjević N., Uzelac N. I.: 1990, *JQSRT* **44**, 61.

Milan S.Dimitrijević

- Wiese W. L., Konjević N.: 1990, in. Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
- Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interes astrofisico*, Doctoral thesis, Universidad de Valladolid.
- Kršljanin, V., Marković-Kršljanin, S.: 1990, XV SPIG, Dubrovnik, 370.
- Purić, J., Ćuk, M., Djeniže, S., Lesage, A.: 1990, X ICSLS, Austin, 165.
- Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin, 17.
- Purić J., Ćuk M., Djeniže S., Lesage A.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 609.
- Dufton, P. L., Fitzsimmons, A., Howarth, I. D.: 1990, *The chemical composition of a main-sequence star in the Small Magellanic cloud*, *Astrophys. J.* **362**, L59.
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- Venn, K. A., Lambert, D. L.: 1990, *The Chemical-Composition of Three Lambda-Bootis Stars*, *Astrophys. J.*, **363**, 234.
- Manning, T. J., Winefordner, J. D., Palmer, B. A. Hof, D. E.: 1990, *Observation of Line Shifts and Line-Profiles in an Inductively Coupled Argon Plasma*, *Spectrochimica Acta B*, **45**, 1031.
- Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.
- 1991**
- Purić, J., Djeniže, S., Labat, J., Srećković, A., Platiša, M.: 1991, *Contrib. - Plasma Phys.* **31**, 63.
- Konjević, N.: 1991, in Elementary processes in clusters, lasers and plasmas, eds. T. D. Mark, R. W. Schrittwieser, Studia, Innsbruck, 344.
- Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1991, *Z. Phys. D* **21**, 295.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.
- Perez, C., de la Rosa, I., de Frutos, A., Mar. S.: 1991, *Stark broadening of some CI and CII lines*, *Phys. Rev. A*, **44**, 6948.
- Bertuccelli, D., Bertuccelli, G., Di Rocco, H. O.: 1991, *Experimental Stark Widths of Xenon II Spectral Lines*, *Physica Scripta*, **43**, 469.
- Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, *Spectrochimica Acta* **46B**, 831.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1992

- Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.
- Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, *Astrophys. J.*, **387**, 673.
- Glenzer, S., Uzelac, N. I., Kunze, H. J.: 1992, *Phys. Rev. A*, **45**, 8795.
- Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, *Spectrochimica Acta* **47B**, 1173.
- Djeniže, S., Srećković, A., Labat, J.: 1992, *Astron. Astrophys.* **253**, 632.
- Wiese, W. L., Konjević, N.: 1992, *JQSRT* **47**, 185.
- Murphy, A. B., Farmer, A. J. D.: 1992, *Temperature-Measurement in Thermal Plasmas by Rayleigh-Scattering*, *J. Phys. D*, **25**, 634.

### 1993

- Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Contrib. Plasma Phys.* **33**, 193.
- Dohrn, A., Helbig, V.: 1993, *Stark broadening and -shift of neutral neon lines*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova Science 151.
- Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. -J.: 1993, *Phys. Rew. E* **47**, 3623.
- Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.
- Colon, C., Hatem, G., Verdugo, E., Ruiz, P., Campos, J.: 1993, *Measurement of the Stark-Broadening and Shift Parameters for Several Ultraviolet Lines of Singly Ionized Aluminum*, *J. Appl. Phys.*, **73**, 4752.

93. (67) Marić, Z., Moles, M., Vigier, J. P.: 1975, *Possible Measurable Consequences of a New Anomalous Redshift Cause on the Shape of Symmetrical Spectral Lines*, *Astron. Astrophys.*, **53**, 191.
94. (68) Milošević, Z.: 1976, *Štarkovo širenje spektralnih linija jonizovanog fluora i hlor-a*, Diplomski rad, Beograd, ETF.
98. (69) Pavlov, M., Radujkov, V.: 1976, *Boundary Layer Influence on H Line Shape*, *Zbornik radova PMF u Novom Sadu*, **6**, 95.

### 1978

- Pavlov, M., Terzić, M.: 1978, Review of Research, Faculty of Science, University of Novi Sad, **8**, 127.

Milan S.Dimitrijević

101. (70) Platiša, M., Dimitrijević, M., Popović, M. V., Konjević, N.: 1976, *Stark broadening of F II lines*, VIII SPIG, Dubrovnik, 409.
102. (71) Platiša, M., Dimitrijević, M., Popović, M. V., Konjević, N.: 1976, *Stark broadening of doubly ionized chlorine lines*, III ICSLS, London, 75.
103. (72) Purić, J. ; Djeniže, S., Labat, J., Ćirković, Lj., Lakićević, I.: 1976, *Stark broadening and shift of Si II lines*, VIII SPIG Dubrovnik, 405.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
104. (73) Purić, J., Labat, J., Ćirković, Lj.: 1976, *Regularities in Stark broadening parameters of spectral lines of homologous alkaline metals*, VIII SPIG, Dubrovnik, 420,
105. (74) Purić, J., Labat, J., Ćirković, Lj.: 1976, *Regularities in Stark Broadening and Shift parameters of Spectral Lines of Homologous Alkaline Metals*, III ICSLS, London, 20.
106. (75) Purić, J., Labat, J., Djeniže, S., Ćirković, Lj., Lakićević, I.: 1976, *Experimental Measurements of Stark Shifts and Widths of Na I and K I*, Phys, Lett. A 56, 83.
- 1990**
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.
- 1992**
- Wiese, W. L., Konjević, N.: 1992, JQSRT 47, 185.
- Djeniže, S., Srećković, A., Labat, J., Platiša, M.: 1992, Physica Scripta 45, 320.
107. (76) Purić, J., Lakićević, I., Djeniže, S., Labat, J., Ćirković, Lj.: 1976, *Comparison of Stark broadening and shift parameters of FI lines obtained from different plasma sources*, III ICSLS, London 21.
108. (77) Wiese, W. L., Konjević, N.: 1976, *Regularities in the Stark widths of isolated lines*, VIII SPIG, Dubrovnik, 416.
109. (78) Wiese, W. L., Konjević, N.: 1976, *Regularities in the Stark widths of isolated lines*, III ICSLS, London, 17.
- 1977**
110. (79) Dimitrijević, M. S., Grujić, P.: 1977, *Curvilinear Trajectories and Stark Broadening of Hydrogen Lines*, XIII IGPIG, Berlin 131.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1989

Dimitrijević, M. S.: 1989, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403.

### 1991

Dimitrijević, M. S., Škovlj, Lj.: 1991, 1 Gen. Conf. of the Balkan Physical Union, Tehessaloniki, 2-15.

112. (80) Kostić, B.: 1977, *Izračunavanje Štarkovih poluširina spektralnih linija višestruko ionizovanih atoma*, Diplomski rad, Beograd ETF.
113. (81) Lakićević, I. S.: 1977, *Neke regularnosti štarkovih parametara širenja i pomeranja rezonantnih spektralnih linija alkalnih metala u plazmi*, Magistarski rad, Beograd PMF.
114. (82) Lakićević, I., Purić, J., Labat, J.: 1978, *Stark Parameters of Rubidium Resonance Lines*, XIII ICPIG, Berlin, 123.

### 1991

Salakhov, M. Kh., Sarandaev, E. V., Fishman, I. S.: 1991, *New approach to the search for relationships between the Stark parameters of broadening and shift of atomic and ionic spectral lines*, Opt. Spectrosc. (USSR), **71**, 509.

### 1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, **146**, 97.

### 1992

Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.

115. Movre, M., Pichler, G.: 1977, *Resonance Interaction and Self-Broadening of Alkali Resonance Lines I. Adiabatic Potential Curves*, J. Phys. B **10**, 2631.

### 1990

Lewis, E. L.: 1990, *Astrophysical aspects of neutral atom line broadening*, in *Spectral Line Shapes 6*, AIP Conf. Proc. **216**, 541.

Arcuni, P. W., Troyer, M. L., Gallagher, A.: 1990, *Differential Cross-Section for Na Fine-Structure Transfer Induced by Na and K Collisions*, Phys. Rev. A, **41**, 2398.

### 1992

Beuc, R., Horvatić, V.: 1992, *The investigation of the satellite rainbow in the spectra of diatomic molecules*, J. Phys. B, **25**, 1497.

He, C., Bernheim, R. A.: 1992, *Energy-Transfer and Energy Pooling from  $2^2P_{3/2, 1/2}$  Excited Li Atoms in Li Vapor*, Chem. Phys. Lett., **190**, 494.

Milan S.Dimitrijević

1993

Jenč, F., Brandt, B. A., Špirko, V., Bludsky, O.: 1993, *Estimation of the Ground-State Potentials of Alkali-Metal Diatomic Molecules with the Use of the Multiparameter Generalized Reduced-Potential-Curve Method*, Phys. Rev. A, **48**, 1319.

Vuletić, V., Sautenkov, V. A., Zimmermann, C., Hansch, T. W.: 1993, *Measurement of Cesium Resonance Line Self-Broadening and Shift with Doppler-Free Selective Reflection Spectroscopy*, Opt. Commun., **99**, 185.

Vigue, J.: 1993, *Perturbations of Molecular-Potential Curves by Small Interactions - Dynamical Consequences for Ultra-Cold Collisions*, Europhysics Letters, **23**, 321.

116. (83) Platiša, M., Dimitrijević, M., Popović, M., Konjević, N.: 1977, *Stark Broadening of F II and Cl III Lines*, Astron. Astrophys. **54**, 837.

1986

Purić, J., Djeniže, S., Srećković, A., Labat, J., Ćirković, Lj.: 1986, Williamsburg, A7.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

1989

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

1990

Labat, O., Djeniže, S., Labat, J., Srećković, A., Purić, J.: 1990, XV SPIG, Dubrovnik, 203.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

1991

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.

Djeniže S., Labat J., Srećković A., Labat O., Platiša M., Purić J.: 1991, Physica scripta **44**, 148.

Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.

Labat O., Djeniže S., Purić J., Labat J. M., Srećković A.: 1991, J. Phys. B, **24**, 1251.

1992

Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, J. Phys. B **25**, 785.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

117. (84) Platiša, M., Dimitrijević, M. S., Popović, M., Konjević, N.: 1977, *Stark Broadening of Si III and Si IV Lines*, J. Phys. B **10**, 2997.
- 1990
- Dufton P. L., Fitzsimmons A., Howarth I. D.: 1990, *The chemical composition of a main-sequence star in the small Magellanic cloud*, Astrophys. J. **362**, L59.
- Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, Astron. - Astrophys., **227**, 291.
- 1991
- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 591.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.
- 1992
- Djeniže S., Srećković A., Labat J., Purić J., Platiša M.: 1992, J. Phys. B **25**, 785.
118. (85) Platiša, M., Konjević, N.: 1977, *Stark Broadening of Ne II Lines*, XIII ICPIG, Berlin, 121.
119. (86) Purić, J., Labat, J., Ćirković, Lj., Lakićević, I. S., Djeniže, S.: 1977, *Stark Broadening and Shift of Alkali-Metal Resonance Spectral Lines*, J. Phys. B **10**, 2375.
- 1991
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, **46**, 41.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Bull. Obs. Astron. Belgrade **143**, 29.
- Milosavljević, M. K.: 1991, Doktorska- disertacija, Fizički fakultet, Beograd.
- Salakhov, M. Kh., Sarandaev, E. V., Fishman, I. S.: 1991, *New approach to the search for relationships between the Stark parameters of broadening and shift of atomic and ionic spectral lines*, Opt. Spectrosc. (USSR), **71**, 509.
- 1992
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, **146**, 97.
- Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.
120. (87) Purić, J., Lakićević, I., Labat, J., Djeniže, S., Ćirković, Lj.: 1977, *Stark Widths and Shifts of Some Neutral Fluorine Spectral Lines*, Phys. Lett. A, **63**, 243.

Milan S.Dimitrijević

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

1989

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

1991

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B. **24**, 1251.

1992

Hong, D., Fleurier, C.: 1992, *Stark broadening of Si II and F I spectral lines in a Z-pinch plasma*, 11 ICSLS, Carry le Rouet, A04.

1993

Glenzer, S., Uzelac, N. I., Kunze, H. -J.: 1993, in Spectral Line Shapes 7, eds. R. Stamm, B. Talin, Nova, 119.

1978

123. (88) Dimitrijević, M. S.: 1978, *Uticaj potencijala dugog dometa na Štarkovo širenje spektralnih linija plazme*, Doktorska disertacija, Univerzitet u Beogradu, Institut za primenjenu fiziku, Beograd PMF.

1989

Dimitrijević, M. S.: 1989, in Classical Dynamics in Atomic and Molecular Physics, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

Popović, L. Č.: 1991, Magistarski rad, Fizički fakultet, Beograd 1991.

Grabowski, B., Czainski, A., Dimitrijević, M. S.: 1991, JQSRT, **45**, 181.

1993

Bajin, I.: 1993, Diplomski rad, PMF, Novi Sad.

124. (89) Dimitrijević, M. S., Grujić, P. V.: 1978, *On the behaviour of half-widths and shifts of neutral lines in the zero temperature limit*, IX SPIG, Dubrovnik, 261.

125. (90) Dimitrijević, M. S., Grujić, P. V.: 1978, *Influence of the polarization potential on the Stark broadening of neutral lines in the adiabatic limit*, IV ESCAM-PIG, Essen, C44 (p. 96).

126. (91) Dimitrijević, M. S., Grujić, P.: 1978, *Long-Range Potentials and Stark Broadening of Neutral Lines*, JQSRT **19**, 407.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1989

Dimitrijević, M. S.: 1989, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403.

### 1991

Grabowski, B., Czainski, A., Dimitrijević, M. S.: 1991, *JQSRT*, **45**, 181.

127. (92) Dimitrijević, M. S., Konjević, N.: 1978, *On the temperature dependence of Gaunt factors*, *JQSRT* **20**, 223.

129. (93) Kelleher, D. E., Voigt, P., Wiese, W. L., Konjević, N.: 1978, *Red shifts of neutral and ionic hydrogen lines*, IV ICSLS, Windsor (Canada), 34.

134. (94) Platiša, M., Dimitrijević, M. S., Konjević, N.: 1978, *Stark Broadening of Ne II Lines*, *Astron. Astrophys.* **67**, 103.

### 1987

Purić, J., Djeniže, S., Srećković, A., Labat, J., Ćirković, Lj.: 1987, *Phys. - Rev. A*, **35**, 2111.

### 1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

### 1990

Djeniže S., Labat J., Platiša, M., Srećković A., Purić, J.: 1990, *Astron. Astrophys.* **227**, 291.

### 1993

Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, *Phys. Rew. E* **47**, 3623.

135. (95) Platiša, M., Popović, M. V., Dimitrijević, D., Konjević, N.: 1978, *Stark broadening of SIII and SIV lines*, VII SPIG, Dubrovnik, 245.

136. (96) Platiša, M., Popović, M., Konjević, N.: 1978, *Experimental Stark widths of C(II) u. v. lines*, *JQSRT* **20**, 447.

### 1990

Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

### 1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

137. (97) Purić, J., Dimitrijević, M. S., Lakićević, I. S.: 1978, *Some regularities within the Stark widths of resonance lines of alkali-like homologous atoms and ions*, *Phys. Lett.* **67A**, 189.

Milan S.Dimitrijević

1985

- Purić, J., Ćuk, M., Lakićević, I. S.: 1985, Phys. Rev. A, **32**, 110.
138. (98) Purić, J., Glavonjić, V.: 1978, *Regularities in Stark broadening of resonant spectral lines from He to Ca*, IX SPIG, Dubrovnik, 253.
139. (99) Purić, J., Lesage, A., Knežević, V.: 1978, Experimental study of the Si II (1) multiplet, IX SPIG, Dubrovnik, 237.

1991

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
145. (100) Wiese, W. L., Konjević, N.: 1978, *Regularities in plasma-broadened line widths*, IX SPIG, Dubrovnik, 257.

1979

146. (101) Dimitrijević, M. S.: 1979, *Stark widths of multiply ionized atoms of astrophysical interest*, Proc. of the III Nat. Conf. of Yug. Astronomers, Belgrade 1977, in Publ. Obs. Astr. Belgrade, **26**, 138.
147. (102) Dimitrijević, M. S., Grujić, P.: 1979, *Approximate Classical Trajectories and the Adiabatic Theory of the Stark Broadening of Neutral Atom Lines*, Z. Naturforsch. **34a**, 1362.

1981

- Vučić, S., Grujić, P., Radojević, V.: 1981, *Elastic scattering of low-energy electrons on He  $2^1S$* , Phys. Rev. A, 1823.

1989

- Dimitrijević, M. S.: 1989, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403.

1991

- Grabowski, B., Czainski, A., Dimitrijević, M. S.: 1991, JQSRT, **45**, 181.
148. (103) Dimitrijević, M. S., Grujić, P.: 1979, *A Modified adiabatic theory calculation for the Stark broadening of He I ( $3^1P^0 - 2^1S$ )*, J. Phys., **40**, C7-119.
149. (104) Dimitrijević, M. S., Grujić, P., Koledin, D.: 1979, *Quantum mechanical calculations of the Stark broadening of some He I lines from plasmas*, J. Phys., **40**, C7-825.
150. (105) Dimitrijević, M., Konjević, N.: 1979, *On the approximative semiclassical formula for the electron-impact width of multiply ionized atom lines in plasmas*, J. Phys. **40**, C7-815.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

151. (106) Djurović, S.: 1979, *Experimental study of the Stark broadening of H<sup>\*</sup> and H<sup>+</sup> in an arc plasma*, Zbornik radova PMF u Novom Sadu (Rev. Research Fac. Sci. Univ. Novi Sad) **9**, 307.
152. (107) Djurović, S.: 1979, *Stark profiles of H alpha and H beta Balmer lines in stabilized electric arc plasma*, Zbornik radova PMF u Novom Sadu, **9**, 317.
153. (108) Glavonjić, V. Dj.: 1979, *Neke regularnosti Štarkovih parametara širenja i pomeranja rezonantnih spektralnih linija neutralnih atoma i jona*, Magistarski rad, Beograd, PMF.
154. (109) Kelleher, D. E., Konjević, N., Wiese, W. L.: 1979, *Test for ion dynamic dependence of plasma red shifts in neutral hydrogen*, Phys. Rev. A **20**, 1195.
- 1991**
- Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.
- Mijatović, Z., Pavlov, M., Djurović, S.: 1991, Phys. Rev. A, **43**, 6095.
155. (110) Lakićević, I. S., Purić, J. M., Dimitrijević, M. S.: 1979, *Some regularities of Stark widths of alkali-metal and singly-ionized earth alkali-metal resonant spectral lines*, Publ. Obs. Astron. Belgrade, **26**, 144.
156. Niemax, K., Movre, M., Pichler, G.: 1979, *Near-wing asymmetries of the self-broadened first Rb and Cs resonance lines*, J. Phys. B **12**, 3503.
- 1992**
- Vadla, Č., Veža, D., Movre, M., Niemax, K.: 1992, *Fine structure Excitation Transfer between the Lithium D-lines by Collisions with Cesium atoms*, Z. Phys. **22**, 591.
- Beuc, R., Horvatić, V.: 1992, *The investigation of the satellite rainbow in the spectra of diatomic molecules*, J. Phys. B, **25**, 1497.
- Knezović, S., Vadla, Č., Movre, M.: 1992, *Fine structure Excitation Transfer between the Potassium 4<sup>2</sup>P States Induced by Collisions with Cesium atoms*, Z. Phys. D, **22**, 449.
- Veža, D., Vadla, Č., Niemax, K.: 1992, *Excitation-Energy Transfer in the Li-Cs Collision -Li'(2P)+Cs(6S)-Li(2S)+ Cs'(5D)*, Z. Phys. D, **22**, 597.
- 1993**
- Vuletić, V., Sautenkov, V. A., Zimmermann, C., Hansch, T. W.: 1993, *Measurement of Cesium Resonance Line Self-Broadening and Shift with Doppler-Free Selective Reflection Spectroscopy*, Opt. Commun., **99**, 185.

Milan S.Dimitrijević

158. (111) Platiša, M., Popović, M., Dimitrijević, M. S., Konjević, N.: 1979, *Stark broadening of S(III) and S(IV) lines*, JQSRT 22, 333.
- 1990**
- Srećković A., Djeniže S., Labat J., Platiša M., Purić J.: 1990, Fizika 22, 583.
- Djeniže, S., Srećković, A., Platiša, M., Labat, J., Purić, J.: 1990, XV SPIG, Dubrovnik, 205.
- Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, 41, 6023.
- Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.
- 1991**
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.
159. (112) Purić, J., Lakićević, I. S., Glavonjić, V.: 1979, *Some regularities within the Stark widths and shifts of resonance lines of singly charged ions from He to Ca*, J. Phys. 40, C7-835.
160. (113) Purić, J., Lakićević, I., Glavonjić, V.: 1979, *Some regularities within the Stark widths and shifts of resonance lines of neutral atoms from He to Ca*, J. Phys. 40, C7-795.
- 1980**
163. (114) Dimitrijević, M. S.: 1980, *Semiclassical calculations of the Stark widths of C III and C IV*, V ESCAMPIG, Dubrovnik, 90.
- 1990**
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
- 1992**
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.
164. (115) Dimitrijević, M. S.: 1980, *Stark broadening and its astrophysical applications*, XI Int. School for Young Astronomers, Hvar, 22.
165. (116) Dimitrijević, M. S., Grubor, D. P.: 1980, *Stark line widths of some lithium isoelectronic sequence ions*, V ESCAMPIG, Dubrovnik, 89.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

166. (117) Dimitrijević, M., Konjević, N.: 1980: *Modified semiempirical formula for the electron-impact width of ionized atom lines*, V ICSLS, Berlin, 53.
167. (118) Dimitrijević, M., Konjević, N.: 1980, *Semiempirical Stark line widths of alkali like ions*, X SPIG, Dubrovnik, 204.
168. (119) Dimitrijević, M. S., Konjević, N.: 1980, *Stark broadening of N II, N III and N IV lines*, V ESCAMPIG, Dubrovnik, 88.
169. (120) Dimitrijević, M. S., Konjević, N.: 1980, *Stark line widths of doubly- and triply- ionized atom lines*, JQSRT **24**, 451.

**1988**

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

**1989**

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

Konjević, N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

**1990**

Dimitrijević, M. S., Kršljanin, V.: 1990, XV SPIG, Dubrovnik, 201.

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

Dimitrijević M. S., Sahal-Bréchot, S.: 1990, Annales de Physique, Coll. N° 3, Suppl. au N° 3, **15**, 77.

Djeniže S., Srećković A., Platiša M., Labat J., Konjević R., Purić J.: 1990, JQSRT **44**, 405.

Iglesias C. A., Rogers F. J., Wilson B. G.: 1990, *Opacities for classical cepheid models*, Astrophys. J. **360**, 221.

Bakshi, V.: 1990, *Electron-impact width of Si III transitions*, 10 ICSLS, Austin, 32

Bakshi V.: 1990, *Electron-impact widths of Si III transitions*, in Spectral Line Shapes **6** (AIP Conf. Proc. **216**) eds. L. Fromhold, J. W. Keto, AIP, New York, 71.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

Srećković A., Djeniže S., Labat J., Platiša M., Purić J.: 1990, Fizika **22**, 583.

Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.

Kršljanin, V., Marković-Kršljanin, S.: 1990, XV SPIG, Dubrovnik, 370.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

## Milan S.Dimitrijević

### 1991

- Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.
- Popović, L. Č.: 1991, Magistarski rad, Fizički fakultet, Beograd 1991.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, XX ICPIG, Pisa, 1406.
- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 581.
- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 591.
- Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.
- Glenzer S., Musielok J., Kunze H. J.: 1991, *Investigation of a pair of transition probabilities of CIII in high-density plasmas*, Phys. Rev. A **44**, 1266.
- Бережецкая Н. К., Копьев В. А., Коссый И. А., Кутузов И. И., Тиит Б. М.: 1991, *Взрывноэмиссионные явления на границе металл-горячая плазма*, Ж. Т. Ф. **61**, 179.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.

### 1992

- Brnović, M. J.: 1992, Magistarski rad, Fizički fakultet, Beograd.
- Kršljanin, V., Dimitrijević, M. S.: 1992, In The Atmospheres of Early-Type Stars, Eds. U. Heber, C. S. Jeffery, Lect. Notes in Physics, **401**, 371.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, In The Atmospheres of Early-Type Stars, Eds. U. Heber, C. S. Jeffery, Lect. Notes in Physics, **401**, 368.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series, **95**, 109.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, **48**, 397.
- Dimitrijević, M. S.: 1992, JQSRT, **47**, 315.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series **93**, 359.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

- Dimitrijević, M. S., Djurić, Z., Mihajlov, A. A., Popović, M. M.: 1992, Proc. X Int. Conf. on Gas Discharges and their Applications, Swansea, ed. W. T. Williams, Univ. College of Swansea, Swansea, 726.
- Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.
- Glenzer, S., Uzelac, N. I., Kunze, H. J.: 1992, Phys. Rev. A, **45**, 8795.
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.
- Rogers F. J., Iglesias C. A.: 1992, *Radiative atomic Rosseland mean opacity tables*, Astrophys. J. Suppl. Series **79**, 507.
- Wiese W. L., Konjević N.: 1992, JQSRT **47**, 185.
- Adelman, S. J., Philip, A. G. D.: 1992, *Elemental Abundances of the B-Star and A-Star Gamma-Geminorum, 7-Sextantis, Hr-4817, and Hr-5780*, Publ. Astron. Soc. Pacific, **104**, 316.
- Iglesias, C. A., Rogers, F. J.: 1992, *Results Obtained Using the Opal Code*, Revista Mexicana de Astronomia y Astrofisica, **23**, 161.
- 1993**
- Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Ser., **100**, 237.
- Popović, L. Č., Dimitrijević, M. S., Vince, I.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd Publ. Obs. Astron. Belgrade, **44**, 55.
- Dimitrijević, M. S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 65.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd Publ. Obs. Astron. Belgrade, **44**, 69.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 189.
- Dimitrijević, M. S., Popović, L. Č.: 1993, in Peculiar Versus Normal Phenomena in A-Type and Related Stars eds. M. M. Dworetsky, F. Castelli, R. Faraggiana, ASP Conference Series, Vol. **44**, 165.
- Popović, L. Č., Dimitrijević, M. S.: 1993, 25th E. G. A. S. Conference Abstracts, Caen, Europhys. Conf. Abstracts Vol. **17 D** P2-066.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, 25th E. G. A. S. Conference Abstracts, Caen, Europhys. Conf. Abstracts Vol. **17 D**, P2-067.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, 25th E. G. A. S. Conference Abstracts, Caen, Europhys. Conf. Abstracts Vol. **17 D**, P2-068.
- Popović, L. Č., Vince, I., Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Series, **102**, 17.

Milan S.Dimitrijević

- Dimitrijević, M. S.: 1993, *Astrophys. Lett. and Communications* **28**, 381.
- Dimitrijević, M. S.: 1993, *Astrophys. Lett. and Communications* **28**, 385.
- Dimitrijević, M. S., Popović L. Č.: 1993, *Astron. Astrophys. Suppl. Series* **101**, 583.
- Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Contrib. Plasma Phys.* **33**, 193.
- Smith, K. C.: 1993, *Elemental Abundances in Normal Late-B and HgMn Stars from Co-Added IUE Spectra II. Magnesium, Aluminum, and Silicon*, *Astron. Astrophys.*, **276**, 393.
- Seaton, M. J.: 1993, *Radiative opacities*, in *Inside de Stars*, IAU Colloquium 137, eds. Weiss, W. W., Baglin, A., Astron. Soc. of the Pacific Conference Series **40**, 222.
- Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, *Phys. Rew. E* **47**, 3623.
- Glenzer, S., Uzelac, N. I., Kunze, H. -J.: 1993, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 119.
- Lee, R. W., Castor, J. I., Iglesias, C. A., Rogers, F. J., Keane, C. J.: 1993, *Line shape calculations of charged radiator for large scale simulation*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 179.
- Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.
- Bakshi, V., Barrett, B. D., Boone, T. D., Nunnally, W. C.: 1993, *Spectroscopic Diagnostics of Railgun Plasma Armatures*, IEEE Transactions on Magnetics, **29**, 1097.
170. (121) Konjević, N., Dimitrijević, M. S.: 1980, *On the systematic trends of Stark broadening parameters of isolated lines*, V ICSLS, Berlin, 55.
171. (122) Lakićević, I. S., Purić, J.: 1980, *Stark broadening dependence on the atomic polarizability*, X SPIG, Dubrovnik, 218.
172. (123) Lakićević, I. S., Purić, J., Ćuk, M.: 1980, *Stark broadening and shift parameters of single - ionized lead*, V ESCAMPIG, Dubrovnik, 87.
173. (124) Lakićević, I., Purić, J., Ćuk, M.: 1980, *Stark broadening and shift of Al I and Cs I lines*, V ICSLS, Berlin, 61.
175. (125) Miller, M. H., Lesage, A., Purić, J.: 1980, *Stark broadening trends in homologous ions*, *Astrophys. J.* **239**, 410.
176. Movre, M., Pichler, G.: 1980, *Resonance interaction and selfbroadening of alkali resonance lines II. Quasi-static wing profiles*, *J. Phys. B* **13**, 697.
- 1990
- Lewis, E. L.: 1990, *Astrophysical aspects of neutral atom line broadening*, in *Spectral Line Shapes 6*, AIP Conf. Proc. **216**, 541.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

1992

Beuc, R., Horvatić, V.: 1992, *The investigation of the satellite rainbow in the spectra of diatomic molecules*, J. Phys. B, 25, 1497.

1993

Vuletić, V., Sautenkov, V. A., Zimmermann, C., Hansch, T. W.: 1993, *Measurement of Cesium Resonance Line Self-Broadening and Shift with Doppler-Free Selective Reflection Spectroscopy*, Opt. Commun., 99, 185.

178. (126) Panić, K.: 1980, *Štarkovo širenje spektralnih linija višestruko ionizovanog aluminijuma*, Diplomski rad, Beograd, PMF.
179. (127) Pavlov, M., Terzić, M.: 1980, *Influence of boundary layers in T-tube plasmas on hydrogen line profiles*, V ESCAMPIG, Dubrovnik, 92.
183. (128) Purić, J., Lakićević, I. S.: 1980, *Stark width and shift periodic dependence on nuclear charge number*, V ESCAMPIG, Dubrovnik, 86.
184. (129) Purić, J., Lakićević, I. S.: 1980, *Stark broadening dependence on the ionization potential*, X SPIG, Dubrovnik 216.
185. (130) Purić, J., Labat, O., Lakićević, I.: 1980, *Stark parameters dependence on the ionization potential*, V ICSLS, Berlin, 59.
186. (131) Purić, J., Lakićević, I. S., Glavonjić, V.: 1980, *Stark width and shift dependence on the ionization potential*, Phys. Lett. 76A, 128.

1989

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

1991

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B. 24, 1251.

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.

Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.

1992

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.

Milan S.Dimitrijević

190. Veža, D., Movre, M., Pichler, G.: 1980, *The shape of the inner-wing satellites of self-broadened first resonance lines of CS and Rb*, J. Phys. B **13**, 3605.
- 1992
- Beuc, R., Horvatić, V.: 1992, *The investigation of the satellite rainbow in the spectra of diatomic molecules*, J. Phys. B, **25**, 1497.
- 1981
193. (132) Dimitrijević, M. S.: 1981, *Electron impact broadened line widths in a supermultiplet*, ECAP, Heidelberg, 529.
194. (133) Dimitrijević, M. S.: 1981, *Stark broadening of some O III lines*, Publ. Astr. Obs. Sarajevo, 1, 215.
- 1990
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- 1991
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
- 1992
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
195. (134) Dimitrijević, M.: 1981, *Stark broadening of heavy ion solar lines*, VI ERMA, Collection of abstracts, Dubrovnik, 32.
196. (135) Dimitrijević, M. S., Feautrier, N., Sahal-Bréchot, S.: 1981, *Comparison between quantum and semiclassical calculations of the electron impact broadening of the Li I resonance line*, J. Phys. B **14**, 2559.
- 1989
- Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.
- 1990
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- 1991
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, **46**, 41.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series **93**, 359.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.

### 1993

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, JQSRT, **49**, 157.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 59.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 181.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 185.

Popović, L. Č., Vince, I., Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Series, **102**, 17.

197. (136) Dimitrijević, M. S., Feautrier, N., Sahal-Bréchot, S.: 1981, *Quantum and semiclassical Stark width calculation for the Li I resonance line*, II Colloque sur l'influence des processus collisionnels sur le profil des raies spectrales, Orleans, P 8.
198. (137) Dimitrijević, M. S., Grubor, D. P., Konjević, N.: 1981, *Electron impact broadening of multiply charged ion lines*, II Colloque sur l'influence des processus collisionnels sur le profil des raies spectrales, Orleans, P 9.
199. (138) Dimitrijević, M. S., Konjević, N.: 1981, *Semiempirical Stark line widths of alkali like ions*, Astron. Astrophys. **102**, 93.

### 1989

Konjević, N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

### 1990

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

### 1991

Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.

### 1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, **48**, 397.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.

Milan S.Dimitrijević

- Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.
- 1993**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, JQSRT, **49**, 157.
- Bassalo, J. M., Cattani, M.: 1993, *Quantum-mechanical formulas for the electron-impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT **50**, 359.
- Srećković, A., Djeniže, S.: 1993, XVI SPIG, Beograd, 197.
- Srećković, A., Djeniže, S.: 1993, Bull. Astron. Belgrade, **148**, 7.
200. (139) Dimitrijević, M. S., Konjević, N.: 1981, *Modified semiempirical formula for the electron-impact width of ionized atom lines: Theory and applications*, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 211.
- 1988**
- Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.
- 1989**
- Konjević, N: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
- 1990**
- Dimitrijević, M. S., Peach, G.: 1990, Astron. Astrophys. **236**, 261.
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, X ICSLS, Austin 1990. 30.
- Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin 1990. 17.
- Wiese W. L., Konjević N.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.
- Srećković A., Djeniže S., Labat J., Platiša M., Purić J.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 69.
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.
- Srećković A., Djeniže S., Labat J., Platiša M., Purić J.: 1990, Fizika **22**, 583.
- 1991**
- Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

Istrefi, L.: 1991, I Gen. Conf. Balkan Phys. Union, Thessaloniki, 2-04  
Purić J., Djeniže S., Labat J., Srećković A., Platiša M.: 1991, Contrib. -  
Plasma Phys. **31**, 63.

**1992**

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and  
their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova  
Science Publ. Inc. New York, 355.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, **48**, 397.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical  
Spectra (Daresbury Laboratory) **17**, 1.

Djeniže S., Srećković A., Labat J., Purić J., Platiša M.: 1992, J. Phys. B  
**25**, 785.

Djeniže S., Srećković A., Labat J., Platiša M.: 1992, Physica Scripta **45**,  
320.

Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen  
Abundances in Early B-Type Stars*, Astrophys. J., **387**, 673.

**1993**

Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Ser., **100**, 237.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, X Nac. Konf. Astron. Jugos-  
lavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 59.

Dimitrijević, M. S.: 1993, Astrophys. Lett. and Communications **28**, 381.

201. (140) Dimitrijević, M. S., Konjević, N.: 1981, *On the Stark broadening of ionized  
nitrogen lines*, JQSRT **25**, 387.

**1988**

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

**1990**

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from  
Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356,  
Springer Verlag, 31.

Djeniže S., Srećković A., Platiša M., Labat J., Konjević R., Purić J.: 1990,  
JQSRT **44**, 405.

**1991**

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol  
1, Coll. 1, Suppl. JP II, N° 3, C1-111.

**1992**

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and  
their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova  
Science Publ. Inc. New York, 355.

Milan S.Dimitrijević

- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.
202. (141) Dimitrijević, M. S., Konjević, N.: 1981, *Širenje spektralnih linija u plazmi*, Savremena istraživanja u fizici, I, ed. V. Urošević, Institut za fiziku, Naučna knjiga, Beograd, 191.
- 1990
- Stanković, D.: 1990, Diplomski rad, PMF, Beograd.
- 1991
- Panić, Z.: 1991, Diplomski rad, PMF, Beograd.
204. (142) Konjević, N., Dimitrijević, M. S.: 1981, *On the systematic trends of Stark broadening parameters of isolated lines in Plasmas*, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, p. 241.
- 1989
- Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.
- 1990
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, X ICSSL, Austin, 30.
- 1992
- Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.
- 1993
- Srećković, A., Djeniže, S., Platiša, M.: 1993, XVI SPIG, Beograd, 201.
205. (143) Istrefi, L.: 1981, *Širenje spektralnih linija višestruko jonizovanih atoma u plazmi*, Doktorska disertacija, PMF Priština.
206. (144) Lakićević, I. S., Purić, J.: *Stark widths and shifts systematic trends*, XV ICPIG, Minsk, 1603.
207. (145) Lakićević, I. S., Purić, J.: 1981, *Stark width and shift periodic dependence on nuclear charge number*, XV ICPIG, Minsk, 927.
208. (146) Lakićević, I. S., Purić, J., Ćuk, M.: 1981, *Stark broadening and shift of Cs I and Al II lines*, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, p. 253.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

**1989**

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

**1990**

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

Konjević N., Uzelac N. I.: 1990, JQSRT **44**, 61.

**1991**

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B, **24**, 1251.

209. Milošević, S.: Pichler, G.: 1981, *Investigation of absorption spectra of pure dense potassium vapor*, Fizika **13**, 377.

**1990**

Kolpakova, I. V.: 1990, *Identification of Satellites in the Spectra of Arc Potassium Lamps*, Opt. Spektrosk., **68**, 218.

212. (147) Purić, J.: 1981, *Regularities and trends in Stark parameters of neutral and ion spectral lines*, XVI ICPIG, Minsk, 311.

**1991**

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.

213. (148) Purić, J., Labat, O., Lakićević, I.: 1981, *Stark parameter dependence on the ionisation potential*, in Spectral Line Shapes, ed. B. Wende, W. de Gruyter, Berlin, New York, 249.

**1989**

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

**1991**

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys. B, **24**, 1251.

**1992**

Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.

214. (149) Purić, J., Lakićević, I.: 1981, *Stark width and shift periodic dependence on nuclear charge number*, XV ICPIG, Minsk, 927.

215. (150) Purić, J., Lakićević, I. S., Glavonjić, V.: 1981, *Some regularities within the Stark Widths and Shifts of Resonance Ion Lines from Li to Ca*, JQSRT, **26**, 65.

1993

- Bassalo, J. M., Cattani, M.: 1993, *Quantum-mechanical formulas for the electron-impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT 50, 359.

1982

220. Beuc, R., Movre, M., Vadla, Č.: 1982, *Blue assymmetry of potassium resonance lines broadened by Cesium atoms*, J. Phys. B 15, 1333.

1991

- Poueyo, A., Sabatier, L., Deshors, G., Fabbro, R., Defrutos, A. M., Bermejo, D., Orza, J. M.: 1991, *Experimental-Study of the Laser-Induced Plasma in Welding Conditions with Continuous High-Power CO<sub>2</sub>-Lasers*, J. de Physique IV, 1, 183.

222. Beuc, R., Movre, M., Vadla, Č.: 1982, *Blue assymmetry of potassium resonance lines broadened by cesium atoms*, J. Phys. B 15, 1333.

1992

- Veža, D., Vadla, Č., Niemax, K.: 1992, *Excitation-Energy Transfer in the Li-Cs Collision -Li'(2P)+Cs(6S)-Li(2S)+ Cs'(5D)*, Z. Phys. D, 22, 597.

223. (151) Čelebonović, V.: 1982, *Štarkovo širenje spektralnih linija u izoelektronском nizu P I*, Diplomski rad, Beograd, PMF.

224. (152) Ćirković, Lj. M., Vujičić, B. T.: 1982, *Experimental investigations of broadening parameters of the He I 447.1 nm line in a laser-produced plasma*, XI SPIG, 311.

225. (153) Dimitrijević, M. S.: 1982, *Similarities of Stark line widths within a given spectrum and irregular energy level structure*, Hvar Obs. Bull., 6, 185.

226. (154) Dimitrijević, M. S.: 1982, *Stark broadening of heavy ion Solar lines*, in Sun and Planetary System, eds. W. Fricke, G. Teleki, D. Reidel, P. C., Dordrecht, Boston, London, 101.

1990

- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

1991

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

1992

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

1993

Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Ser., **100**, 237.

227. (155) Dimitrijević, M. S.: 1982, *Stark broadening of non-hydrogenic ion lines within the impact approximation*, in The Physics of Ionized Gases, Invited Lectures, Review Reports and Progress Reports of SPIG-82, ed. G. Pichler, Institute of Physics of the University, Zagreb, 397.

1990

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

1992

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.

228. (156) Dimitrijević, M. S.: 1982, *Stark broadening of non-hydrogenic ion lines within the impact approximation*, XI SPIG, Dubrovnik, 213.

229. (157) Dimitrijević, M. S.: 1982, *On the Variation of Stark Line Widths within a Supermultiplet*, Astron. Astrophys. **112**, 251.

1990

Dimitrijević, M. S., Kršljanin, V.: 1990, XV SPIG, Dubrovnik, 201.

Dimitrijević, M. S., Peach, G.: 1990, Astron. Astrophys. **236**, 261.

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.

1992

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.

1993

Dimitrijević, M. S.: 1993, *Astrophys. Lett. and Communications* 28, 381.

230. (158) Dimitrijević, M., Cornille, M., Feautrier, N., Sahal-Bréchot, S.: 1982, *Resonant scattering (autoionization) contribution to Stark broadening of ion lines*, XI SPIG, Dubrovnik, 281.
231. (159) Dimitrijević, M. S., Feautrier, N., Sahal-Bréchot, S.: 1982, *Influence of different kinds of collisions on the Stark broadening of the Li I resonance line*, XI SPIG, Dubrovnik, 277.
232. (160) Dimitrijević, M. S., Konjević, N.: 1982, *On the Stark broadening of heavy, non-hydrogenic neutral atom lines in plasmas*, Int. Conf. Plasma Phys., Goteborg, 343.
233. (161) Dimitrijević, M. S., Konjević, N.: 1982, *Semiclassical calculations of electron impact Stark widths of S(III), Cl(III) and S(IV) isolated lines*, JQSRT 27, 203.

1990

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, *Journal de Physique IV*, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

1992

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.

234. (162) Dimitrijević, M. S., Sahal-Bréchot, S.: 1982, *Stark broadening of the He I Resonance lines*, XI SPIG, Dubrovnik, 273.
237. (163) Istrefi, L.: 1982, *Stark broadening of spectral lines in some N II multiplets*, XII SPIG, Dubrovnik, 295.
238. (164) Istrefi, L.: 1982, *Some reports for Ar II lines broadening in plasma*, VI ESCAMPIG, Oxford, W 19.
239. (165) Konjević, N.: 1982, *Stark broadening of non hydrogenic atom and ion lines in plasmas (An overview of experimental data)*, in Phys. Ioniz. Gases, Invited

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

Lectures, Review Reports and Progress Reports of SPIG-82, ed. G. Pichler,  
Institute of Physics of the University, Zagreb, 417.

### 1990

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from  
Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356,  
Springer Verlag, 31.

### 1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol  
1, Coll. 1, Suppl. JP II, N° 3, C1-111.

240. (166) Konjević, N.: 1982, *Stark broadening of non-hydrogenic atom and ion lines  
in plasmas (An overview of experimental data 1976-1981)*, XI SPIG,  
Dubrovnik, 212.

### 1990

Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, 22 European Group for  
Atomic Spectroscopy, Uppsala, 478.

241. (167) Kobilarov, R., Konjević, N.: 1982, *Stark line widths within Ar II 4p-4d  
(doublets) supermultiplet*, VI ICSLS, Boulder, 3.

242. (168) Konjević, N., Kobilarov, R.: 1982, *On the influence of Debye shielding on  
electron impact widths within Stark broadened multiplets*, XI SPIG,  
Dubrovnik, 285.

243. (169) Lakićević, I. S.: 1982, *Regularities and Systematic trends in the Stark  
broadening and shift parameters of spectral lines in plasma*, in Phys. Ioniz.  
Gases, Invited Lectures, Review Reports and progress Reports of SPIG-82,  
ed. G. Pichler, Institute of Physics of the University, Zagreb, 483.

244. (170) Lakićević, I. S.: 1982, *Regularnosti i sistematski trendovi Stark-ovih  
parametara spektralnih linija u plazmi*, Doktorska disertacija, Beograd PMF.

### 1989

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

### 1990

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

### 1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet,  
Beograd.

Labat, O., Djeniže, S., Purić, J., Labat, J. M., Srećković, A.: 1991, J. Phys.  
**B**, **24**, 1251.

245. (171) Lakićević, I. S.: 1982, *Regularities and Systematic trends in the Stark  
broadening and shift parameters of spectral lines in plasma*, XI SPIG,  
Dubrovnik, 219.

246. (172) Lakićević, I. S., Purić, J.: 1982, *On the Stark broadening and shift regularities*, VI ICSLS, Boulder, 24.
247. (173) Lakićević, I. S., Purić, J.: 1982, *Stark shift trends in homologous ions*, XI SPIG, Dubrovnik, 289.
248. (174) Lakićević, I. S., Purić, J., Ćuk, M.: 1982, *Stark width and shift of Cs I 852.11 nm resonance line*, Phys. Lett. **91A**, 19.
- 1990
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.
249. (175) Manola, S., Richou, J., Lesage, A.: 1982, *Experimental Stark width of = 5419 Å Xe II line*, XI SPIG, Dubrovnik, 293.
- 1990
- Konjević N., Uzelac N. I.: 1990, JQSRT **44**, 61.
253. (176) Purić, J., Lakićević, I. S.: 1982, *Periodic dependence of Stark width and shift on nuclear charge number*, Phys. Lett., **91A**, 345.
254. (177) Purić, J., Lakićević, I. S., Rathore, B. A., Ćuk, M.: 1982, *Stark width and shift of copper and silver resonance lines*, XI SPIG, Dubrovnik, 303.
255. (178) Purić, J., Rathore, B. A., Lakićević, I. S., Ćuk, M., Cekić, M.: 1982, *Stark shifts of neon spectral lines*, XI SPIG, Dubrovnik, 307.
256. (179) Purić, J., Lakićević, I. S.: 1982, *Stark widths and shifts of IV and V groups of homologous ions*, VI ICSLS, Boulder, 5.
257. (180) Purić, J., Lesage, A., Lakićević, I. S., Rathore, B. A.: 1982, *Experimental Stark widths and shifts for Si II lines obtained in an electromagnetic shock tube*, VI ICSLS, Boulder, 1.
258. (181) Rathore, B. A.: 1982, *Study of Stark widths of some spectral lines of Ne I, Si I, Si II, Cr II, Co I, Ni I, Cu I, Zn I, Pb I, Ag I, In I, In II, and Hg I in plasmas*, Doctoral thesis, Beograd PMF.
259. (182) Rathore, B. A., Lakićević, I. S., Purić, J., Ćuk, M.: 1982, *Stark widths and shifts of In I and In II spectral lines*, XI SPIG, Dubrovnik, 299.
- 1993
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Bull. Astron. Belgrade, **148**, 21.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Bull. Astron. Belgrade, **148**, 29.
- 1992
- Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, J. Phys. B **25**, 785.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

264. (183) Wiese, W. L., Konjević, N.: 1982, *Regularities and similarities in plasma broadened spectral widths (Stark widths)*, JQSRT 28, 185.

1989

Konjević N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

1990

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.

Wiese W. L., Konjević N.: 1990, in. Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.

Djeniže S., Srećković A., Platiša M., Konjević R., Labat J., Purić J.: 1990, Phys. Rev. A 42, 2379.

Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, 41, 6023.

Dirocco, H. O.: 1990, *A General Trend for the Stark Widths of Single Ionized Noble-Gases*, J. Appl. Phys., 68, 3732.

Dimitrijević, M. S., Peach, G.: 1990, Astron. Astrophys. 236, 261.

Djurović, S., Konjević, N., Dimitrijević, M. S.: 1990, Z. Phys. D 16, 255.

Alecian, G., Artru, M. C.: 1990, *Radiation Forces on Highly Ionized Elements in Stellar Envelopes*, Astron. Astrophys., 234, 323.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin, 17.

Thejll P., Shipman H. L., Mac Donald J., Mac Farland W. M.: 1990, *An atmospheric analysis of the carbon-rich white dwarf G35-26*, Astrophys. J. 361, 197.

1991

Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.

Bertucelli, D., Bertucelli, G., Dirocco, H. O.: 1991, *Experimental Stark Widths of Xenon II Spectral Lines*, Physica Scripta, 43, 469.

1992

Wiese, W. L., Konjević, N.: 1992, JQSRT 47, 185.

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

Glenzer, S., Uzelac, N. I., Kunze, H. J.: 1992, Phys. Rev. A, 45, 8795.

Milan S.Dimitrijević

Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.

Sohns, E., Kock, M.: 1992, *Plasma Diagnostics Based on Self-Reversed Lines I. Model Calculation and Application to Argon Arc Measurements in the Near-Infrared and Vacuum Ultraviolet Regions*, JQSRT, **47**, 325.

Sohns, E., Kock, M.: 1992, *Plasma Diagnostics Based on Self-Reversed Lines II. Application to Nitrogen, Carbon and Oxygen Arc Measurements in the Vacuum Ultraviolet*, JQSRT, **47**, 335.

**1993**

Djeniže, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, *Contrib. Plasma Phys.* **33**, 193.

Bertuccelli, D., Dirocco, H. O.: 1993, *Linewidths of Singly Charged, Noble-Gas Ions from Born and Born-Robb Approximations - Dependence with Atomic Parameters and Electron-Density*, Physica Scripta, **47**, 747.

**1983**

265. (184) Dimitrijević, M. S.: 1983, *Stark broadening of Si II and Si III spectral lines*, Astron. Astrophys. **127**, 68.

**1991**

Kilian J., Montenbruck O., Nissen P. E.: 1991, *Chemical abundances in early B-type stars II. Line identification and atomic data for high resolution spectra*, Astron. Astrophys. Suppl. Series **88**, 101.

**1992**

Konjević, N., Dimitrijević, M. S.: 1992, in *Short Wavelength Lasers and their Applications* Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, Astrophys. J., **387**, 673.

**1993**

Cugier, H.: 1993, *Modeling Line-Profiles in Beta-Cephei Stars Including Temperature and Pressure Effects*, Acta Astronomica, **43**, 27.

266. (185) Dimitrijević, M., Cornille, M., Dubau, J., Feautrier, N., Sahal, S.: 1983, *Diagnostics spectroscopique des plasmas denses: Contribution des résonances d'autoionisation à l'élargissement Stark des raies émises par des ions*, Collisions et Rayonnement, Orleans, P 27.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

267. (186) Dimitrijević, M. S., Feautrier, N., Sahal-Bréchot, S.: 1983, *Influence of different collisional processes on the Stark broadening*, Fizika 15, 205.

268. (187) Dimitrijević, M. S., Konjević, N.: 1983, *Stark broadening of isolated spectral lines of heavy elements in plasmas*, JQSRT 30, 45.

1982

Konjević, N.: 1982, in Phys. Ioniz. Gases, ed. G. Pichler, 417.

1984

Cappelli, M. A., Measures, R. M.: 1984, *Two-channel Technique for Stark Measurements of Electron Density within a Laser-produced Sodium Plasma*, Appl. Optics, 23, 2107.

1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

1989

Konjević, N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

1990

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.

Djeniže S., Srećković A., Platiša M., Labat J., Konjević R., Purić J.: 1990, JQSRT 44, 405.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

Popović, L. Č.: 1991, Magistarski rad, Fizički fakultet, Beograd 1991.

1992

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, 146, 97.

269. (188) Dimitrijević, M. S., Mihajlov, A. A.: 1983, *Istraživanje oblika kalijumovih linija u praznjenjima srednjeg i visokog pritiska*, 25 ETAN in Marine, Zadar, 530.

270. (189) Dimitrijević, M. S., Sahal-Bréchot, S.: 1983, *Elargissement des raies spectrales par collisions avec les électrons et les protons: formule asymptotique de la largeur lorsque le nombre quantique principal augmente*, Collisions et Rayonnement, Orleans, P 25.

271. (190) Dimitrijević, M. S., Sahal-Bréchot, S.: 1983, *L'Elargissement Stark des raies de l'hélium neutre*, Collisions et Rayonnement, Orleans, P 26.

Milan S.Dimitrijević

272. (191) Dimitrijević, M. S., Sahal-Bréchot, S.: 1983, *Semiclassical calculation of He I Stark broadening parameters*, XVI ICPIG, Düsseldorf, 630.  
**1990**  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, 22 European Group for Atomic Spectroscopy, Upsala, 478.
273. (192) Dimitrijević, M. S., Sahal-Bréchot, S.: 1983, *Approximative electron - and proton-impact line widths within a spectral series*, XVI ICPIG, Düsseldorf, 628.  
**1993**  
Bassalo, J. M., Cattani, M.: 1993, *Quantum-mechanical formulas for the electron-impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT 50, 359.
274. (193) Dimitrijević, M. S., Sahal-Bréchot, S.: 1983, *Stark broadening parameters for He I infrared lines*, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 103.  
**1990**  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, 22 European Group for Atomic Spectroscopy, Upsala, 478.
276. (194) Kobilarov, R.: 1983, *Štarkovo širenje spektralnih linija supermultipleta np-nd (dubleti) jednostruko ionizovanog argona i ksenona u plazmi*, Magistarski rad, Beograd, PMF.
277. (195) Konjević, N., Dimitrijević, M. S.: 1983, *On the Stark broadening of non-hydrogenic lines of heavy elements in plasmas*, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 137.
278. (196) Lakićević, I. S.: 1983, *Estimated Stark widths and shifts of neutral atom and singly charged ion resonance lines*, Astron. Astrophys. 127, 37.  
**1991**  
Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.
- 1993**  
Dimitrijević, M. S., Popović, L. Č.: 1993, in Peculiar Versus Normal Phenomena in A-Type and Related Stars eds. M. M. Dworetsky, F. Castelli, R. Faraggiana, ASP Conference Series, Vol. 44, 165.  
Popović, L. Č., Vince, I., Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Series, 102, 17.
279. (197) Lakićević, I. S., Purić, J.: 1983, *On the Stark broadening and shift regularities*, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 147.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

### 1991

Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montréal, 5.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.

### 1992

Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.

280. (198) Lakićević, I. S., Purić, J.: 1983, *Stark shift trends in homologous ions*, *J. Phys. B*, **16**, 1525.

281. (199) Lakićević, I. S., Rathore, B. A., Ćuk, M., Purić, J.: 1983, *Experimental Stark widths and shifts of Cr II lines*, XVI ICPIG, Düsseldorf, 624.

282. (200) Lesage, A., Rathore, B. A., Lakićević, I. S., Purić, J.: 1983, *Stark widths and shifts of singly ionized silicon spectral lines*, *Phys. Rev. A* **28**, 2264.

### 1990

Konjević N., Wiese W. L.: 1990, *J. Phys. Chem. Ref. Data* **19**, 1307.

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

Djeniže, S., Labat, J., Platiša, M., Srećković, A., Purić, J.: 1990, *Astron. - Astrophys.*, **227**, 291.

Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

Perez, C., de la Rosa, I., de Frutos, A., Mar, S.: 1990, *Stark broadening of several C II and Si II lines*, in *Spectral line Shapes 6*, AIP Conf. Proc. **216**, 67.

Perez, C., de la Rosa, I., de Frutos, A., Mar, S.: 1990, *Stark broadening of several C II and Si II lines*, 10 ICSLS, Austin, 28.

### 1991

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, *Journal de Physique IV*, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.

### 1992

Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.

Wiese, W. L., Konjević, N.: 1992, *JQSRT* **47**, 185.

Milan S.Dimitrijević

- Djeniže, S., Srećković, A., Labat, J., Purić, J., Platiša, M.: 1992, J. Phys. B **25**, 785.
283. Pichler, G., Milošević, S., Veža, D., Beuc, R.: 1983, *Diffuse bands in the visible absorption spectra of dense alkali vapors*, J. Phys. B **16**, 4619.
- 1990
- Kolpakova, I. V.: 1990, *Identification of Satellites in the Spectra of Arc Potassium Lamps*, Opt. Spektrosk., **68**, 218.
- 1991
- Windholz, L., Musso, M., Pichler, G., Hess, B.: 1991, J. Chem. Phys., **94**, 3366.
- 1993
- Kim, B., Yoshihara, K.: 1993, *Triplet Triplet Transition of Cs<sub>2</sub> Studied by Multiphoton Ionization Spectroscopy in a Very Cold Pulsed Molecular-Beam*, Chem. Phys. Lett., **204**, 407.
285. Pichler, G., Milošević, S., Veža, D., Vukčević, D.: 1983, *Interference and diffuse continua in the Rb<sub>2</sub> spectrum*, J. Phys. B, **16**, 4633.
- 1993
- Da, X., Ueda, K. I., Takuma, H.: 1993, *Ionic Excimers and Alkali Dimer Triplet-State Excimer Lasers*, Laser and Particle Beams, **11**, 3.
- Li, X. H., Azinović, D., Milošević, S., Pichler, G.: 1993, *Observations and Spectral Simulations of the Li2(7)2(1)Sigma(U)+-X(1)Sigma(G)+ Transition*, Z. Physik D, **28**, 135.
286. (201) Purić, J., Lakićević, I. S.: 1983, *Stark widths and shifts of IV and V group homologous ions*, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 161.
287. (202) Purić, J., Lakićević, I. S., Rathore, B. A., Ćuk, M.: 1983, *Experimental Stark widths and shifts of Co I lines*, XVI ICPIG, Düsseldorf, 626.
288. (203) Purić, J., Lesage, A., Lakićević, I. S., Rathore, B. A.: 1983, *Stark width and shifts of singly ionized silicon spectral lines*, in Spectral Line Shapes II, ed. K. Burnett, W. de Gruyter, Berlin, New York, 175.
- 1992
- Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, Astrophys. J., **387**, 673.
289. (204) Richou, J., Manola, S., Lesage, A., Abadie, D., Miller, M. H.: 1983, *Regularities in Stark broadened line width. The case of ns-np transitions for ionized rare gas, and mirror-image elements*, VII European Regional Astronomy meeting, Florence, 227.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

290. (205) Richou, J., Manola, S., Lesage, A., Abadie, D., Miller, M. H.: 1983, *Stark broadening parameter trends for ionized rare gas and mirror image elements*, XVI ICPIG, Düsseldorf, 632.
- 1990**
- Konjević N., Uzelac N. I.: 1990, *JQSRT* **44**, 61.
- Konjević N., Wiese W. L.: 1990, *J. Phys. Chem. Ref. Data* **19**, 1307.
- 1991**
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.
295. (206) Vujnović, V., Vadla, Č., Lokner, V., Dimitrijević, M. S.: 1983, *Half-widths of neutral fluorine spectral lines*, *Astron. Astrophys.* **123**, 249.
- 1990**
- Dimitrijević, M. S.: 1990, in *Accuracy of Elemental Abundances from Stellar Atmospheres*, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- Konjević N., Wiese W. L.: 1990, *J. Phys. Chem. Ref. Data* **19**, 1307.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, *Journal de Physique IV*, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.
- 1992**
- Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.
- Hong, D., Fleurier, C.: 1992, *Stark broadening of Si II and FI spectral lines in a Z-pinch plasma*, 11 ICSLS, Carry le Rouet, AO4.
- 1993**
- Hong, D., Fleurier, C.: 1993, *Stark broadening of Si II and FI spectral lines in a Z-pinch plasma*, in *Spectral Line Shapes 7*, eds. R. Stamm, B. Talin, Nova, 123.
- 1984**
296. Beuc, R., Milošević, S., Pichler, G.: 1984, *New diffuse bands in the KRb molecule*, *J. Phys. B* **17**, 739.
- 1990**
- Ross, A. J., Effantin, C., Crozet, P., Boursey, E.: 1990, *The Ground-State of KRb from Laser-Induced Fluorescence*, *J. Phys. B*, **23**, L247.

1992

Eaton, J. G., Sarkas, H. W., Arnold, S. T., McHugh-K. M., Bowen, K. H.: 1992, *Negative-Ion Photoelectron-Spectroscopy of the Heteronuclear Alkali-Metal Dimer and Trimer Anions: NaK, KRb, RbCs, KCs, Na<sub>2</sub>K, and K<sub>2</sub>Cs*, Chem. Phys. Lett., **193**, 141.

299. (207) Dimitrijević, M. S., Sahal-Bréchot, S.: 1984, *Stark broadening of neutral helium lines*, JQSRT, **31**, 301.

300. (208) Dimitrijević, M. S.: 1984, *The trajectory effect and broadening of neutral atom lines*, XII SPIG, Šibenik, 465.

301. (209) Dimitrijević, M. S.: 1984, *The trajectory effect in calculations of collisions of the phase shift for binary collisions and broadening of neutral atom lines*, J. Phys. B **17**, L283.

1989

Dimitrijević, M. S.: 1989, in *Classical Dynamics in Atomic and Molecular Physics*, eds. T. Grozdanov, P. Grujić, P. Krstić, World Scientific, Singapore, New Jersey, London, Hong Kong, 403.

1990

Grabowski, B., Czainski, A.: 1990, *On possibility of appearance of assymmetry and shift of impact line profiles as a result of the back reaction in case of self-broadening*, XV SPIG, Dubrovnik, 362.

Grabowski, B., Czainski, A.: 1990, *Influence of the Debye shielding and of back reaction on Stark broadening of atomic lines within quasi-classical impact model*, X ICSLS, Austin, 38.

Grabowski B., Czainski A.: 1990, *Influence of Debye shielding and back reaction on Stark broadening of atomic lines in the quasi-classical impact model*, in *Spectral Line Shapes 6* (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 86.

1991

Grabowski, B., Czainski, A., Halenka, J., Dimitrijević, M. S.: 1991, XX ICPIG, Pisa, 1420.

Grabowski, B., Czainski, A., Dimitrijević, M. S.: 1991, JQSRT, **45**, 181.

302. (210) Dimitrijević, M. S.: 1984, *Electron impact line widths of the resonance lines of Be-like ions*, Astron. Astrophys. **131**, 327.

303. (211) Dimitrijević, M. S., Konjević, N.: 1984, *On the Dependence of Stark Widths and Shift on the Ionization Potential*, Z. Naturforsch. **39a**, 553.

1991

Sarandayev E. V., Fishman I. S., Salakhov M. Kh.: 1991, *A New to a Search for Regularities in the Behaviour of the Stark Parameters of Atomic and Ionic Spectral Lines*, XX ICPIG, Pisa 837.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

- Salakhov, M. Kh., Sarandaev, E. V., Fishman, I. S.: 1991, *New approach to the search for relationships between the Stark parameters of broadening and shift of atomic and ionic spectral lines*, Opt. Spectrosc. (USSR), **71**, 509.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, **382**, 353.
304. (212) Димитриевич, М., Коньевич, Н.: 1984, *О штарковском уширении линий нейтральных атомов рубидия, кадмия и цинка, в Фотопроцессы возбуждения и ионизации*, ЛГУ, Ленинград, 47.
305. (213) Димитриевич, М., Коньевич, Н.: 1984, *Електронное уширение спектральных линий ионизированных атомов*, в *Фотопроцессы возбуждения и ионизации*, ЛГУ, Ленинград, 41.
306. (214) Dimitrijević, M. S., Sahal-Bréchot, S.: 1984, *Stark broadening of neutral helium lines*, JQSRT **31**, 301.
- 1989**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1989, Bull. Obs. Astron. Belgrade, **141**, 57.
- Kobilarov, R., Konjević N., Popović M. V.: 1989, Phys. Rev. A **40**, 3871.
- Konjević N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.
- 1990**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Astron. Astrophys. Suppl. Series, **82**, 519.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, JQSRT **44**, 421.
- Dimitrijević, M. S.: 1990, in *Accuracy of Elemental Abundances from Stellar Atmospheres*, ed. R. Wehrse, Lecture Notes in Physics № 356, Springer Verlag, 31.
- Djurović, S., Konjević, N., Dimitrijević, M. S.: 1990, Z. Phys. D **16**, 255.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Bull. Obs. Astron. Belgrade **142**, 29.
- Vujičić, B. T., Djurović, S., Pavlov, M., Mijatović, Z., Kobilarov, R.: 1990/91, Review of Research, Faculty of Science, University of Novi Sad, **20/21**, 151.
- Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.
- Dufton P. L., Brown P. J. F., Fitzsimmons A., Lennon D. J.: 1990, *The chemical composition of the northern double cluster  $\eta$  and  $\chi$  Persei and the loose association Cepheus OBIII*, Astron. Astrophys. **232**, 431.

Milan S.Dimitrijević

Konjević N.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 19.

Сахибулин Н. А., Шаберт В. Я.: 1990, *Роль блендирования в образовании синглетных линий гелия в атмосферах Бр-звезд*, Письма в Астрон. Журнал 16, 539.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

**1991**

Konjević N.: 1991, in Elementary processes in clusters, lasers and plasmans, eds. T. D. Mark, R. W. Schrittweiser, Studia, Innsbruck, 344.

Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series 89, 581.

Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series 89, 591.

Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Bull. Obs. Astron. Belgrade, 144, 65.

Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Bull. Obs. Astron. Belgrade, 144, 81.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, 46, 41.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Bull. Obs. Astron. Belgrade 143, 29.

Perez C., De la Rosa I., De Frutos A. M., Mar S.: 1991, *Calibration of the Stark broadening parameters for some He I lines*, Phys. Rev. A 44, 6785.

Thejll P., Vennes S., Shipman H. L.: 1991, *A critical analysis of the ultraviolet temperature scale of the helium-dominated DB and DBV white dwarfs*, Astrophys. J. 370, 355.

**1992**

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade 145, 65.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series, 95, 121.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series, 95, 109.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, JQSRT, 48, 397.

Dimitrijević, M. S.: 1992, JQSRT, 47, 315.

Dimitrijević, M. S.: 1992, Bull. Astron. Belgrade, 146, 115.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, 146, 97.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, **146**, 105.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, **146**, 73.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Bull. Astron. Belgrade, **146**, 83.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Asptrophys. Suppl. Series **96**, 613.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series **93**, 359.
- Dimitrijević, M. S., Djurić, Z., Mihajlov, A. A., Popović, M. M.: 1992, Proc. X Int. Conf. on Gas Discharges and their Applications, Swansea, ed. W. T. Williams, Univ. College of Swansea, Swansea, 726.
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- Luttermoser, D. G., Johnson, H. R.: 1992, *Ionization and Excitation in Cool Giant Stars I. Hydrogen and Helium*, Astrophys. J., **388**, 579.
- Vennes, S., Fontaine, G.: 1992, *An Interpretation of the Spectral Properties of Hot Hydrogen-Rich White-Dwarfs with Stratified H/He Model Atmospheres*, Astrophys. J.: 1992, **401**, 288.
- Jeffery, C. S., Heber, U.: 1992, *The Extreme Helium Star BD-9°-4395*, Astron. Astrophys., **260**, 133.
- Vennes, S.: 1992, *The Constitution of the Atmospheric Layers and the Extreme Ultraviolet-Spectrum of Hot Hydrogen-Rich White-Dwarfs*, Astrophys. J., **390**, 590.
- Heading, D. J., Marangos, J. P., Burges, D. D.: 1992, *Helium Spectral Lineshapes in a Dense, Cool, Z-Pinch Plasma*, J. Phys. B, **25**, 4745.
- 1993**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, JQSRT, **49**, 157.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Bull. Astron. Belgrade, **147**, 35.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Astron. Astrophys. Suppl. Series, **100**, 91.
- Dimitrijević, M. S.: 1993, Astron. Astrophys. Suppl. Ser., **100**, 593.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, XVI SPIG, Beograd, 181.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, 25th E. G. A. S. Conference Abstracts, Caen, Europhys. Conf. Abstracts Vol. **17 D**, P2-068.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Astron. Astrophys. Suppl. Series, **99**, 585.

Milan S.Dimitrijević

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Astron. Astrophys. Suppl. Series **101**, 587.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Bull. Astron. Belgrade, **148**, 21.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1993, Bull. Astron. Belgrade, **148**, 29.
- Alecian, G., Michaud, G., Tully, J.: 1993, *Radiative Accelerations on Iron Using Opacity Project Data*, Astrophys. J., **411**, 882.
- Dufton, P. L., Conlon, E. S., Keenan, F. P., McCausland, R. J. H., Holmgren, D. E.: 1993, *Three Stars at High Galactic Latitudes with Peculiar Helium Abundances*, Astron. Astrophys., **269**, 201.
- Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.
307. (215) Dimitrijević, M. S., Sahal-Bréchot, S.: 1984, *Stark Broadening of neutral helium lines of astrophysical interest: Regularities within spectral series*, Astron. Astrophys. **136**, 289.
- 1989**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1989, Bull. Obs. Astron. Belgrade, **141**, 57.
- 1990**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Astron. Astrophys. Suppl. Series, **82**, 519.
- Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 581.
- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 591.
- Thejll P., Vennes S., Shipman H. L.: 1991, *A critical analysis of the ultraviolet temperature scale of the helium-dominated DB and DBV white dwarfs*, Astrophys. J. **370**, 355.
- Mac Donald J., Vennes S.: 1991, *How much hydrogen is there in a white dwarf?*, Astrophys. J. **371**, 719.
- 1992**
- Dimitrijević, M. S.: 1992, Bull. Astron. Belgrade, **146**, 115.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series **93**, 359.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) **17**, 1.

Vennes, S., Fontaine, G.: 1992, *An Interpretation of the Spectral Properties of Hot Hydrogen-Rich White-Dwarfs with Stratified H/He Model Atmospheres*, *Astrophys. J.*: 1992, **401**, 288.

Vennes, S.: 1992, *The Constitution of the Atmospheric Layers and the Extreme Ultraviolet-Spectrum of Hot Hydrogen-Rich White-Dwarfs*, *- Astrophys. J.*, **390**, 590.

### 1993

Alecian, G., Michaud, G., Tully, J.: 1993, *Radiative Accelerations on Iron Using Opacity Project Data*, *Astrophys. J.*, **411**, 882.

308. (216) Dimitrijević, M. S., Sahal-Bréchot, S.: 1984, *Stark broadening of He I lines of astrophysical interest: Regularities within spectral series and influence of Debye shielding*, VII ICSLS, Aussois, A 10.
309. (217) Kobilarov, R., Manola, S., Konjević, N., Popović, M. V.: 1984. *Dense, reproducible Z-pinch suitable for Stark broadening studies of Spectral lines of multiply ionized atoms*, XII SPIG, Šibenik, 515.
310. (218) Konjević, N., Dimitrijević, M. S., Wiese, W. L.: 1984, *Experimental Stark Widths and Shifts for Spectral Lines of Neutral Atoms (A Critical Review of Selected Data for the Period 1976 to 1982)*, *J. Phys. Chem. Ref. Data* **13**, 619.

### 1988

Srećković, A. B.: 1988, Doktorska disertacija, Fizički fakultet, Beograd.

### 1989

Dimitrijević, M. S., Sahal-Bréchot, S.: 1989, *Bull. Obs. Astron. Belgrade*, **141**, 57.

Konjević, N.: 1989, *XIX ICPIG Invited papers*, ed. V. J. Žigman, Beograd, 382.

### 1990

Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, *Astron. Astrophys. Suppl. Series*, **82**, 519.

Dimitrijević, M. S.: 1990, in *Accuracy of Elemental Abundances from Stellar Atmospheres*, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

Konjević N., Uzelac N. I.: 1990, *JQSRT* **44**, 61.

Konjević N.: 1990, in *Spectral Line Shapes 6* (AIP Conf. Proc. **216**) eds. L. Fromhold, J. W. Keto, AIP, New York, 19.

Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin 1990. 17.

Wiese W. L., Konjević N.: 1990, in *Spectral Line Shapes 6* (AIP Conf. Proc. **216**) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.

Milan S.Dimitrijević

- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.
- Vujičić, B. T., Djurović, S., Pavlov, M., Mijatović, Z., Kobilarov, R.: 1990/91, Review of Research, Faculty of Science, University of Novi Sad, 20/21, 151.
- Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.
- Kršljanin, V.: 1990, 22 EGAS, ed. A. Wannstrom, Univ. Uppsala 757. 1991
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, **46**, 41.
- Konjević, N.: 1991, XX ICPIG, Pisa, 1435.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.
- Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, Spectrochimica Acta **46B**, 831.
- Konjević N.: 1991, in Elementary processes in clusters, lasers and plasmas, eds. T. D. Mark, R. W. Schrittweiser, Studia, Innsbruck, 344.
- Thorne A. P.: 1991, *Spectrophysics*, (second edition), Chapman and Hall, London
- 1992
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- de Frutos, A. M., Poueyo, A., Sabatier, L., Fabbro, R., Orza, J. M.: 1992, *Spectroscopic Parameters of Some iron Lines Obtained from a Plasma Produced by a High Power CO<sub>2</sub> Laser*, 11ICSL, Carry le Rouet, A22.
- Wiese W. L., Konjević N.: 1992, JQSRT **47**, 185.
- Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, Spectrochimica Acta **47B**, 1173.
- Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy, Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.
- Heading, D. J., Marangos, J. P., Burgess, D. D.: 1992, *Helium Spectral Lineshapes in a Dense, Cool, Z-Pinch Plasma*, J. Phys. B, **25**, 4745.
- Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, Astrophys. J., **387**, 673.
- Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

1993

Scheeline, A., Farnsworth, P. B.: 1993, *Newson Fundamental Reference Data*, Spectrochimica Acta B, **48**, 99.

Scheeline, A.: 1933, *Fundamental Reference Data - Where Have We Come in Five Years*, Spectrochimica Acta B, **48**, 1297.

Uzelac, N. I., Glenzer, S., Konjević, N., Hey, J. D., Kunze, H. J.: 1993, Phys. Rev. E **47**, 3623.

de Frutos, A. M., Poueyo, A., Sabatier, L., Fabbro, R., Orza, J. M.: 1993, *Spectroscopic Parameters of Some iron Lines Obtained from a Plasma Produced by a High Power CO<sub>2</sub> Laser*, in Spectral Line Shapes 7, eds. R. Stamm, B. Talin, Nova, 143.

Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.

311. (219) Konjević, N., Dimitrijević, M. S., Wiese, W. L.: 1984, *Experimental Stark Widths and Shifts for Spectral Lines of Positive Ions (A Critical Review and Tabulation of Selected Data for the Period 1976 to 1982)*, J. Phys. Chem. Ref. Data **13**, 649.

1988

Djurović S., Konjević N.: 1988, Z. Phys. D **10**, 425.

1989

Konjević, N.: 1989, XIX ICPIG Invited papers, ed. V. J. Žigman, Beograd, 382.

1990

Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N° 356, Springer Verlag, 31.

Konjević N., Uzelac N. I.: 1990, JQSRT **44**, 61.

Wiese, W. L., Konjević, N.: 1990, X ICSLS, Austin 1990. 17.

Wiese W. L., Konjević N.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 48.

Purić, J., Ćuk, M., Djeniže, S., Lesage, A.: 1990, X ICSLS, Austin, 165.

Purić J., Ćuk M., Djeniže S., Lesage A.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 609.

Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, **41**, 6023.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

Wiese, W. L.: 1991, *Spectroscopic diagnostics of low temperature plasmas: techniques and required data*, Spectrochimica Acta **46B**, 831.

Thorne A. P.: 1991, *Spectrophysics*, (second edition), Chapman and Hall, London.

Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Journal de Physique IV, Vol 1, Coll. 1, Suppl. JP II, N° 3, C1-111.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, **382**, 353.

Purić J., Djeniže S., Labat J., Srećković A., Platiša M.: 1991, Contrib. - Plasma Phys. **31**, 63.

Djeniže S., Srećković A., Labat J., Platiša M.: 1991, Z. Phys. D **21**, 295.

Kilian J., Montenbruck O., Nissen P. E.: 1991, *Chemical abundances in early B-type stars II. Line identification and atomic data for high resolution spectra*, Astron. Astrophys. Suppl. Series **88**, 101.

1992

Glenzer, S., Uzelac, N. I., Kunze, H. J.: 1992, Phys. Rev. A, **45**, 8795.

Konjević, N., Dimitrijević, M. S.: 1992, in Short Wavelength Lasers and their Applications Eds. V. V. Korobkin, M. Yu. Romanovsky, Nova Science Publ. Inc. New York, 355.

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.

Djeniže S., Srećković A., Labat J.: 1992, Astron. Astrophys. **253**, 632.

Wiese W. L., Konjević N.: 1992, JQSRT **47**, 185.

Martin, W. C.: 1992, *Sources of Atomic Spectroscopic Data for Astrophysics*, in Atomic and Molecular Data for Space Astronomy, Needs, Analysis and Availability, eds. P. L. Smith, W. L. Wiese, Lecture Notes in Physics **407**, 121.

Gies, D. R., Lambert, D. L.: 1992, *Carbon, Nitrogen, and Oxygen Abundances in Early B-Type Stars*, Astrophys. J., **387**, 673.

Kuraica, M., Konjević, N., Platiša, M., Pantelić, D.: 1992, Spectrochimica Acta **47B**, 1173.

Wiese, W. L., Konjević, N.: 1992, JQSRT **47**, 185.

Griem, H. R.: 1992, *Plasma Spectroscopy in Inertial Confinement Fusion and Soft-X-Ray Laser Research*, Physics of Fluids B, **4**, 2346.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

1993

Scheeline, A., Farnsworth, P. B.: 1993, *Newson Fundamental Reference Data*, Spectrochimica Acta B, **48**, 99.

Djeniž, S., Popović, L. Č., Labat, J., Srećković, A., Platiša, M.: 1993, Contrib. Plasma Phys. **33**, 1

Deizarra, C., Chapelle, J., Czernichowski, A., Vallee, O.: 1993, *Anomalous Ar-I 430.01 nm Line-Profile Distortion in an Arc Plasma*, JQSRT, **49**, 433.

312. (220) Konjević, N., Pittman, T. L.: 1984, *Electron impact broadening of spectral lines of doubly ionized noble gases, multiplets  $ns^3S^0 - np^3P$* . XII SPIG, Šibenik 450.
313. (221) Konjević, N., Pittman, T.: 1984, *Electron impact broadening of spectral lines of singly ionized noble gases, multiplets  $np^3P - nd^3D$* , VII ICSLS, Aussois, A 8.
314. (222) Konjević, R., Platiša, M., Konjević, N.: 1984, *Stark broadening of Br I red lines*, XII SPIG, Šibenik, 446.
315. (223) Konjević, R., Platiša, M., Konjević, N.: 1984, *Stark broadening of Br II lines*, VII ICSLS, Aussois, A 12.

1991

Milosavljević, M. K.: 1991, Doktorska disertacija, Fizički fakultet, Beograd.

323. (224) Pittman, T., Konjević, N.: 1984, *Width and Shift measurements of spectral lines of He I in a proton gas*, VII ICSLS, Aussois, A 9.
324. (225) Purić, J., Ćuk, M., Cekić, M., Rathore, B. A., Lakićević, I. S.: 1984, *Stark widths and shifts of Ne I lines*, VII ICSLS, Aussois, A 2.
325. (226) Purić, J., Ćuk, M., Lakićević, I. S.: 1984, *Stark parameters dependence on the upper level ionization potential*, VII ICSLS, Aussois, A 3.
326. (227) Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1984, *Experimental verification of some Stark width and shift trends*, VII ICSLS, Aussois, A 4.
327. (228) Richou, J., Manola, S., Lebrun, J. L., Lesage, A.: 1984, *Stark-broadening measurements of singly ionized xenon*, Phys. Rev. A **29**, 3181.

1990

Lesage, A., Lebrun, J. L., Richou, J.: 1990, *Temperature Dependence of Stark Parameters for Fe-I Lines*, Astrophys. J., **360**, 737.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data **19**, 1307.

Dirocco, H. O.: 1990, *A General Trend for the Stark Widths of Single Ionized Noble-Gases*, J. Appl. Phys., **68**, 3732.

Konjević N., Uzelac N. I.: 1990, JQSRT **44**, 61.

1991

Bertuccelli, D., Bertuccelli, G., Di Rocco, H. O.: 1991, *Experimental Stark Widths of Xenon II Spectral Lines*, Physica Scripta, **43**, 469.

Purić, J., Djeniže, S., Labat, J., Srećković, A., Platiša, M.: 1991, Contrib. - Plasma Phys. **31**, 63.

1993

Mar, S., Gigosos, M. A., de la Rosa, I., Perez, C.: 1993, *Experimental Study of Stark broadening in Xe II lines*, in Spectral Line Shapes 7, eds. R. Stamm, B. Talin, Nova Science, 145.

332. (229) Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1984, *Collision broadening and solar limb effect: NI 3p<sup>2</sup>P'-ns<sup>2</sup>S lines*, VII ICSLS, Aussois, F 4.

333. (230) Vujičić, B. T.: 1984, *Spektroskopska studija linija sa zabranjenim komponentama u laserski proizvedenoj plazmi helijuma*, Doktorska disertacija, Beograd PMF.

1989

Vujičić B. T., Djurović S., Hašenka J.: 1989, Z. Phys. D **11**, 119.

1990

Vujičić, B. T., Djurović, S., Pavlov, M., Mijatović, Z., Kobilarov, R.: 1990/91, Review of Research, Faculty of Science, University of Novi Sad, **20/21**, 151.

1991

Uzelac, N. I., Stefanović, I., Konjević, N.: 1991, JQSRT, **46**, 447.

334. (231) Vujičić, B. T., Ćirković, Lj.: 1984, *Experimental investigations of broadening parameters of He I 2<sup>3</sup>P-4<sup>3</sup>D, 4<sup>3</sup>F, λ = 447.15 nm line in a laser produced plasma*, Fizika, **16**, 201.

1990

Perez, C.: 1990, *Medidas de ensanchamiento Stark en algunos elementos de interés astrofísico*, Doctoral thesis, Universidad de Valladolid.

1991

Uzelac, N. I., Stefanović, I., Konjević, N.: 1991, XX ICPIG, Pisa, 1455.

335. (232) Vujičić, B. T., Ćirković, Lj. M.: 1984, *Experimental study of weak forbidden components of the two He I spectral lines*, VII ICSLS, Aussois, A 1.

1985

338. (233) Dimitrijević, M. S.: 1985, *Astrophysical significance of spectral Line Shapes Investigations*, Publ. Obs. Astron. Belgrade (Proc. VI Nat. Conf. Yug. Astronomers, Hvar 1983), **33**, 11.

Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

339. (234) Dimitrijević, M. S.: 1985, *Dependence of Stark widths and shifts on the ionization potential:  $np^{k-1}(n+1)$ - $np^k$  resonance transitions*, Astron. Astrophys. **145**, 439.
- 1989
- Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.
- 1990
- Labat O., Djeniže S., Labat J., Purić J., Srećković A.: 1990, Phys. Lett. A **143**, 455.
- 1991
- Dimitrijević, M. S.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, M. Bergevin. Université de Montreal, 5.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, Astrophysical Journal, 382, 353.
- 1992
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- 1993
- Popović, L. Č., Dimitrijević, M. S.: 1993, 25th E. G. A. S. Conference Abstracts, Caen, Europhys. Conf. Abstracts Vol. 17 D P2-066.
- Bassalo, J. M., Cattani, M.: 1993, *Quantum-mechanical formulas for the electron-impact widths and shifts of isolated lines of neutral atoms and ions in plasmas*, JQSRT **50**, 359.
340. (235) Dimitrijević, M. S.: *Electron impact broadening dependence on the ionization potential:  $np^{k-1}(n+1)s$ - $np^k$  resonance transitions*, II ECAMP, Amsterdam, 206.
341. (236) Dimitrijević, M. S., Konjević, N.: 1985, *A simple formula for estimating Stark broadening parameters of neutral atom lines*, Collisions et Rayonnement, Orleans, P 21.
342. (237) Dimitrijević, M. S., Kršljanin, V.: 1985, *Semiempirical Stark shifts of ion lines*, XVII ICPIG, Budapest, 975.
343. (238) Dimitrijević, M. S., Sahal-Bréchot, S.: 1985, *Stark broadening of Na I lines: Regularities within a spectral series*, XVII ICPIG, Budapest, 978.
344. (239) Dimitrijević, M. S., Sahal-Bréchot, S.: 1985, *Stark broadening of neutral sodium lines*, JQSRT **34**, 149.

Milan S.Dimitrijević

**1990**

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, JQSRT **44**, 421.  
Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N°356, Springer Verlag, 31.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Bull. Obs. Astron. Belgrade **142**, 59.  
Kršljanin, V.: 1990, 22 EGAS, ed A. Wannstrom, Univ. Uppsala 760.  
Vince, I.: 1990, XV SPIG, Dubrovnik, 328.

**1991**

- Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 581.  
Dimitrijević, M. S., Sahal-Bréchot, S., Bommier, V.: 1991, Astron. Astrophys. Suppl. Series **89**, 591.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, Bull. Obs. Astron. Belgrade **143**, 29.

Kršljanin V.: 1991, in Evolution of stars: The photospheric abundance connection, eds. G. Michaud, A. Tutukov, Université de Montreal, 31,

**1992**

- Dimitrijević, M. S.: 1992, Bull. Astron. Belgrade, **146**, 115.  
Dimitrijević, M. S., Sahal-Bréchot, S.: 1992, Astron. Astrophys. Suppl. Series **93**, 359.  
Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.  
Djeniže S., Srećković A., Labat J., Platiša M.: 1992, Physica Scripta **45**, 320.

**1993**

Srećković, A., Djeniže, S., Platiša, M.: 1993, XVI SPIG, Beograd, 201.

345. (240) Dimitrijević, M. S., Sahal-Bréchot, S.: 1985, *Comparison of measured and calculated Stark broadening parameters for neutral-helium lines*, Phys. Rev. A. **31**, 316.

**1990**

- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Astron. Astrophys. Suppl. Series, **82**, 519.  
Dimitrijević, M. S.: 1990, in Accuracy of Elemental Abundances from Stellar Atmospheres, ed. R. Wehrse, Lecture Notes in Physics N°356, Springer Verlag, 31.

### Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

- Dimitrijević, M. S.: 1992, *Newsletter on Analysis of Astronomical Spectra* (Daresbury Laboratory) 17, 1.
346. (241) Dimitrijević, M. S., Sahal-Bréchot, S.: 1985, *Stark broadening of He I lines of astrophysical interest: Regularities within spectral series and influence of Debye shielding*, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 53.
347. (242) Dimitrijević, M. S., Sahal-Bréchot, S.: 1985, *L'Elargissement Stark des raies du potassium neutre*, Collisions et Rayonnement, Orleans, P 22.
348. (243) Dimitrijević, M. S.: Truong-Bach: 1985, *Sur l'inégalité des largeurs Stark à l'intérieur d'un multiplet ou supermultiplet de l'argon II*, Collisions et Rayonnement, Orleans, P 23.
349. (244) Konjević, N.: 1985, *Stark broadening of potassium lines*, Phys. Rev. A 32, 673.
- 1990**
- Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.
350. (245) Konjević, N., Pittman, T.: 1985, *Electron impact broadening of spectral lines of singly ionized noble gases, multiplets  $np^2P$ - $nd^2D$* , in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 51.
351. (246) Konjević, N., Pittman, T.: 1985, *Stark broadening of NII lines from states of high orbital angular momentum*, XVII ICPIG, Budapest, 1010.
352. (247) Konjević, N., Platiša, M., Konjević, N.: 1985, *Stark broadening of Br I lines*, in *Spectral Line Shapes III*, ed. F. Rostas, W. de Gruyter, Berlin, New York, 57.
353. (248) Lakićević, I. S.: 1985, *Estimated Stark widths and shifts of some singly charged ion spectral lines*, Astron. Astrophys. 191, 457.
- 1991**
- Purić, J., Ćuk, M., Dimitrijević, M. S., Lésage, A.: 1991, *Astrophysical Journal*, 382, 353.
356. Movre, M., Beuc, R.: 1985, *Van der Waals interaction in excited alkali-metal dimers*, Phys. Rev. A 31, 2957.
- 1991**
- Poueyo, A., Sabatier, L., Deshors, G., Fabbro, R., Defrutos, A. M., Bermejo, D., Orza, J. M.: 1991, *Experimental-Study of the Laser-Induced Plasma in Welding Conditions with Continuous High-Power CO<sub>2</sub>-Lasers*, J. de Physique IV, 1, 183.
- 1992**
- Vadla, Č., Veža, D., Movre, M., Niemax, K.: 1992, *Fine structure Excitation Transfer between the Lithium D-lines by Collisions with Cesium atoms*, Z. Phys. 22, 591.

Veža, D., Vadla, Č., Niemax, K.: 1992, *Excitation-Energy Transfer in the Li-Cs Collision -Li'(2P)+Cs(6S)-Li(2S)+ Cs'(5D)*, Z. Phys. D, 22, 597.

358. (249) Pittman, T., Konjević, N.: 1985, *Width and shift measurements of spectral lines of He I in a proton gas*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 71.

1990

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

Konjević, N.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 19

359. (250) Purić, J., Ćuk, M., Cekić, M., Rathore, B. A., Lakićević, I. S.: 1985, *Stark widths and shifts of Ne I lines*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 55.

360. (251) Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Stark parameters dependence on the upper level ionization potential*, XVII ICPIG, Budapest, 1030.

361. (252) Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Stark parameter dependence on the upper level ionization potential*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 41.

1991

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, *Astrophysical Journal*, 382, 353.

362. (253) Purić, J., Ćuk, M., Lakićević, I. S.: 1985, *Regularities and systematic trends in the Stark broadening and shift parameters of spectral lines in plasma*, Phys. Rev. A 32, 1106.

1989

Djurović, S., Konjević, N.: 1989, Z. Phys. D, 11, 113.

Labat, O.: 1989, Doktorska disertacija, Fizički fakultet, Beograd.

1990

Kobilarov, R., Konjević, N.: 1990, Phys. Rev. A, 41, 6023.

Djeniže, S., Srećković, A., Labat, J.: 1990, Z. Physik D, 17, 85.

Konjević N., Wiese W. L.: 1990, J. Phys. Chem. Ref. Data 19, 1307.

Srećković A., Djeniže S., Labat J., Platiša M., Purić J.: 1990, in Spectral Line Shapes 6 (AIP Conf. Proc. 216) eds. L. Fromhold, J. W. Keto, AIP, New York, 69.

Kobilarov, R.: 1990, Doktorska teza, PMF Beograd.

## Line Shape Investigation in Yugoslavia and Serbia III (1989-1993)

Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, X ICSLS, Austin, 30.

Srećković, A., Djeniže, S., Labat, J., Platiša, M., Purić, J.: 1990, Fizika 22, 583.

### 1991

Sarandayev E. V., Fishman I. S., Salakhov M. Kh.: 1991, *A New to a Search for Regularities in the Behaviour of the Stark Parameters of Atomic and Ionic Spectral Lines*, XX ICPIG, Pisa 837.

Purić, J., Ćuk, M., Dimitrijević, M. S., Lesage, A.: 1991, XX ICPIG, Pisa, 1451.

Salakhov, M. Kh., Sarandaev, E. V., Fishman, I. S.: 1991, *New approach to the search for relationships between the Stark parameters of broadening and shift of atomic and ionic spectral lines*, Opt. Spectrosc. (USSR), 71, 509.

### 1992

Wiese, W. L., Konjević, N.: 1992, JQSRT 47, 185.

### 1993

Popović, L. Č., Dimitrijević, M. S., Vince, I.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd Publ. Obs. Astron. Belgrade, 44, 55.

Dimitrijević, M. S., Popović, L. Č.: 1993, in Peculiar Versus Normal Phenomena in A-Type and Related Stars eds. M. M. Dworetsky, F. Castelli, R. Faraggiana, ASP Conference Series, Vol. 44, 165.

Dimitrijević, M. S., Popović L. Č.: 1993, Astron. Astrophys. Suppl. Series 101, 583.

Djeniže, S., Labat, J. M., Purić, J.: 1993, XXI ICPIG, Bochum, 227.

363. (254) Rathore, B. A., Lakićević, I. S., Ćuk, M., Purić, J.: 1985, *Experimental verification of some Stark width and shift trends*, in spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 43.

364. (255) Uzelac, N. I.: 1985, *Štarkovo širenje spektralnih linija neutralnog helijuma u plazmi*, Magistarski rad, Beograd, ETF.

368. (256) Vince, I., Dimitrijević, M. S.: 1985, *Influence of different line broadening mechanisms on the Limb-effect within Na I  $4s^2S-np^2P$  series*, Publ. Obs. Astron. Belgrade (Proc. VII Nat. Conf. Yug. Astronomers, Hvar, 1983), 33, 15.

### 1992

Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) 17, 1.

Milan S.Dimitrijević

369. (257) Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1985, *Collision broadening and Solar Limb effect: Na I  $3p^2P^0$ - $ns^2S$  lines*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 649.
- 1990**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, 12th European Regional Astronomy Meeting of IAU, Davos, III 6.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, JQSRT **44**, 421.
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1990, Bull. Obs. Astron. Belgrade **142**, 59.
- 1991**
- Dimitrijević, M. S., Sahal-Bréchot, S.: 1991, JQSRT, **46**, 41.
- Kršljanin V., Vince I., Erkapić S.: 1991, in The Sun and Cool Stars: activity, magnetism, dynamos, Lecture Notes in Physics, **380**, 277.
- 1992**
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- 1993**
- Kršljanin, V., Dimitrijević, M. S.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd, Publ. Obs. Astron. Belgrade, **44**, 45.
- Skuljan, Lj.: 1993, Magistarski rad, Fizički fakultet, Beograd.
370. (258) Vince, I., Dimitrijević, M. S., Kršljanin, V.: 1985, *Pressure broadening and Solar Limb effect*, in Progress in Stellar Spectral Line Formation Theory, eds. J. Beckman, L. Crivellari, D. Reidel, P. C., 373.
- 1990**
- Kršljanin, V., Marković-Kršljanin, S.: 1990, XV SPIG, Dubrovnik, 370.
- 1991**
- Kršljanin V., Vince I., Erkapić S.: 1991, in The Sun and Cool Stars: activity, magnetism, dynamos, Lecture Notes in Physics, **380**, 277.
- 1992**
- Dimitrijević, M. S.: 1992, Newsletter on Analysis of Astronomical Spectra (Daresbury Laboratory) **17**, 1.
- 1993**
- Popović, L. Č., Dimitrijević, M. S., Vince, I.: 1993, X Nac. Konf. Astron. Jugoslavije, Beograd Publ. Obs. Astron. Belgrade, **44**, 55.
371. (259) Vujičić, B. T., Ćirković, Lj.: 1985, *Experimental Study of weak forbidden components of the two He I spectral lines*, in Spectral Line Shapes III, ed. F. Rostas, W. de Gruyter, Berlin, New York, 35.