

СПИСАК ПУБЛИКАЦИЈА

РАД У МЕЂУНАРОДНОМ ЧАСОПИСУ ИЗУЗЕТНИХ ВРЕДНОСТИ (M21a)

1. J. Mirić, **D. Bošnjaković**, I. Simonović, Z.Lj. Petrović and S. Dujko, “*Electron swarm properties under the influence of a very strong attachment in SF₆ and CF₃I obtained by Monte Carlo rescaling procedures*”, Plasma Sources Sci. Technol. **25** (2016) 065010, 15pp. (IF2014= 3.591) doi: 10.1088/0963-0252/25/6/065010
2. S. Dujko, **D. Bošnjaković**, R.D. White and Z.Lj. Petrović, “*Heating mechanisms for electron swarms in radio-frequency electric and magnetic fields*”, Plasma Sources Sci. Technol. **24** (2015) 054006, 13pp. (IF2014= 3.591) doi: 10.1088/0963-0252/24/5/054006

РАД У ВРХУНСКОМ МЕЂУНАРОДНОМ ЧАСОПИСУ (M21)

1. Z.Lj. Petrović, I. Simonović, S. Marjanović, **D. Bošnjaković**, D. Marić, G. Malović and S. Dujko, “*Non-equilibrium of charged particles in swarms and plasmas- from binary collisions to plasma effects*”, Plasma Phys. Control. Fusion **59** (2017) 014026, 9pp. (IF2015= 2.404) doi: 10.1088/0741-3335/59/1/014026
2. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Fluid modeling of resistive plate chambers: impact of transport data on development of streamers and induced signals*”, J. Phys. D: Appl. Phys. **49** (2016) 405201, 10pp. (IF2015= 2.772) doi: 10.1088/0022-3727/49/40/405201
3. **D. Bošnjaković**, Z.Lj. Petrović, R.D. White and S. Dujko, “*Boltzmann equation and Monte Carlo studies of electron transport in Resistive Plate Chambers*”, J. Phys. D: Appl. Phys. **47** (2014) 435203, 12pp. (IF2014= 2.721) doi: 10.1088/0022-3727/47/43/435203
4. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*A microscopic Monte Carlo approach to modeling of Resistive Plate Chambers*”, J. Instrum. **9** (2014) P09012, 13pp. (IF2012= 1.656) doi:10.1088/1748-0221/9/09/P09012

ПРЕДАВАЊЕ ПО ПОЗИВУ СА МЕЂУНАРОДНОГ СКУПА ШТАМПАНО У ЦЕЛИНИ (M31)

1. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Resistive Plate Chambers: electron transport and modeling*”, 27th Symposium on Physics of Ionized Gases - SPIG 2014, 26 - 29 August 2014, Belgrade, Serbia, J. Phys.: Conf. Ser. **565** (2014) 012008, 7pp. doi: 10.1088/1742-6596/565/1/012008

2. Z.Lj. Petrović, S. Marjanović, S. Dujko, A. Banković, O. Šašić, **D. Bošnjaković**, V. Stojanović, G. Malović, S. J. Buckman, G. Garcia, R. D. White, J. P. Sullivan, M. J. Brunger, “*Kinetic phenomena in transport of electrons and positrons in gases caused by the properties of scattering cross sections*”, XXVIII International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), July 24-30 2013, Lanzhou, China, Journal of Physics: Conference Series **488** (2014) 012047, 9pp.
doi:10.1088/1742-6596/488/1/012047
3. S. Dujko, **D. Bošnjaković**, J. Mirić, I. Simonović, Z.M. Raspopović, R.D. White, A.H. Markosyan, U. Ebert and Z.Lj. Petrović, “*Recent results from studies of non-equilibrium electron transport in modeling of low-temperature plasmas and particle detectors*”, in Proceedings of the 9th EU-Japan Joint Symposium on Plasma Processing (JSPP2014) and EU COST MP1101 Workshop on Atmospheric Plasma Processes and Sources, 19-23 January 2014, Bohinjska Bistrica, Slovenia, 4pp.

ПРЕДАВАЊЕ ПО ПОЗИВУ СА МЕЂУНАРОДНОГ СКУПА ШТАМПАНО У ИЗВОДУ (M32)

1. S. Dujko, Z.Lj. Petrović, R.D. White, G. Boyle, A. Banković, I. Simonović, **D. Bošnjaković**, J. Mirić, A.H. Markosyan and S. Marjanović *Transport processes for electrons and positrons in gases and soft-condensed matter: Basic phenomenology and applications* XXIX International Conference on Photonic, Electronic and Atomic Collisions, 22-28 July 2015, Toledo, Spain
2. Z.Lj. Petrović, S. Dujko, D. Marić, **D. Bošnjaković**, S. Marjanović, J. Mirić, O. Šašić, S. Dupljanin, I. Simonović and R.D. White *Swarms as an exact representation of weakly ionized gases* XIX International Symposium on Electron-Molecule Collisions and Swarms & XVIII International Workshop on Low-Energy Positron and Positronium Physics, POSMOL 2015, 17-20 July 2015, Lisboa, Portugal, Book of Abstracts, p. 4
3. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Simulation and modeling of Resistive Plate Chambers*”, Proc. 27th Symposium on Physics of Ionized Gases - SPIG 2014, Belgrade, Serbia, (26 - 29 August 2014), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures and Progress Reports (Eds. D. Marić, A.R. Milosavljević and Z. Mijatović), p. 21. ISBN 978-86-7762-600-6
4. S. Dujko, Z.Lj. Petrović, R.D. White, **D. Bošnjaković**, J. Mirić, A.H. Markosyan and U. Ebert, “*Non-conservative electron transport in gases and its application in modelling of non-equilibrium plasmas and particle detectors*”, Proceedings of the XVII International Workshop on Low-Energy Positron and Positronium Physics and the XVIII International Symposium on Electron-Molecule Collisions and Swarms (POSMOL), July 19-21 2013, Kanazawa, Japan, p. 24

САОПШТЕЊЕ СА МЕЂУНАРОДНОГ СКУПА ШТАМПАНО У ЦЕЛИНИ (М33)

1. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*A New Model of Resistive Plate Chambers Based on Hydrodynamic Approximation*”, Proc. 28th Summer School and International Symposium on the Physics of Ionized Gases - SPIG 2016, Belgrade, Serbia, (Aug. 29 – Sep. 2), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures (Eds. D. Marić, A. Milosavljević, B. Obradović and G. Poparić), pp. 336-339. ISBN 978-86-84539-14-6
2. S. Dujko, **D. Bošnjaković** and A. Luque, “*Electron Transport in the Planetary Atmospheres Due to Lightning Generated Electromagnetic Pulses*”, Proc. 28th Summer School and International Symposium on the Physics of Ionized Gases - SPIG 2016, Belgrade, Serbia, (Aug. 29 – Sep. 2), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures (Eds. D. Marić, A. Milosavljević, B. Obradović and G. Poparić), pp. 284-287. ISBN 978-86-84539-14-6
3. J. Mirić, **D. Bošnjaković**, I. Simonović, Z.Lj. Petrović and S. Dujko, “*Monte Carlo Simulations of Electron Transport in CF₃I and SF₆ Gases*”, Proc. 28th Summer School and International Symposium on the Physics of Ionized Gases - SPIG 2016, Belgrade, Serbia, (Aug. 29 – Sep. 2), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures (Eds. D. Marić, A. Milosavljević, B. Obradović and G. Poparić), pp. 104-107. ISBN 978-86-84539-14-6
4. J. Mirić, I. Simonović, **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Electron Transport in Mercury Vapor: Dimer Induced NDC and Analysis of Transport Phenomena in Electric and Magnetic Fields*”, Proc. 28th Summer School and International Symposium on the Physics of Ionized Gases - SPIG 2016, Belgrade, Serbia, (Aug. 29 – Sep. 2), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures, Progress Reports and Workshop Lectures (Eds. D. Marić, A. Milosavljević, B. Obradović and G. Poparić), pp. 108-111. ISBN 978-86-84539-14-6
5. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Studies of electron transport in gases for Resistive Plate Chambers*”, Proc. 27th Symposium on Physics of Ionized Gases - SPIG 2014, Belgrade, Serbia, (26 - 29 August 2014), Contributed Papers and Abstracts of Invited Lectures, Topical Invited Lectures and Progress Reports (Eds. D. Marić, A.R. Milosavljević and Z. Mijatović), pp. 114-117. ISBN 978-86-7762-600-6
6. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Simulation of Resistive Plate Chambers using Monte Carlo technique*”, in Proceedings of the 9th EU-Japan Joint Symposium on Plasma Processing (JSPP2014) and EU COST MP1101 Workshop on Atmospheric Plasma Processes and Sources, 19-23 January 2014, Bohinjska Bistrica, Slovenia, 3pp.
7. **D. Bošnjaković**, S. Dujko and Z.Lj. Petrović, “*Electron transport coefficients in gases for Resistive Plate Chambers*”, Proc. 26th Summer School and International Symposium on the Physics of Ionized Gases, August 27-31 2012, Zrenjanin, Serbia, pp. 265-268

САОПШТЕЊЕ СА МЕЂУНАРОДНОГ СКУПА ШТАМПАНО У ИЗВОДУ (М34)

1. S. Dujko, **D. Bošnjaković** and Z.Lj. Petrović, *A new approach to fluid modeling of Resistive Plate Chambers*, Bulletin of the American Physical Society, 69th Annual Gaseous Electronics Conference, October 10-14, 2016, Bochum, Germany, Session HT6 44, p.43
2. Z.Lj. Petrović, J. Mirić, I. Simonović, **D. Bošnjaković** and S. Dujko, *Monte Carlo simulations of electron transport in strongly attaching gases*, Bulletin of the American Physical Society, 69th Annual Gaseous Electronics Conference, October 10-14, 2016, Bochum, Germany, Session MW6 37, p.71
3. Z.Lj. Petrović, J. Mirić, I. Simonović, **D. Bošnjaković** and S. Dujko, *Electron transport in mercury vapor: magnetic field effects, dimer induced NDC and multi term analysis*, Bulletin of the American Physical Society, 69th Annual Gaseous Electronics Conference, October 10-14, 2016, Bochum, Germany, Session MW6 38, p.71
4. S. Dujko, I. Simonović, G. Boyle, R. White, **D. Bošnjaković** and Z.Lj. Petrović, *Transport properties of electrons and transition of an electron avalanche into a streamer in atomic liquids*, Bulletin of the American Physical Society, 69th Annual Gaseous Electronics Conference, October 10-14, 2016, Bochum, Germany, Session MW6 36, p.71
5. J. Mirić, **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, *Transport coefficients and scattering cross sections for electrons in CF_3I* , XXIX International Conference on Photonic, Electronic and Atomic Collisions, 22-28 July 2015, Toledo, Spain
6. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, *Streamer studies in gases for resistive plate chambers*, XXIX International Conference on Photonic, Electronic and Atomic Collisions, 22-28 July 2015, Toledo, Spain
7. **D. Bošnjaković**, J. Mirić, Z.Lj. Petrović and S. Dujko, *Rescaling procedures for Monte Carlo simulations of electron transport in strong electronegative gases*, XIX International Symposium on Electron-Molecule Collisions and Swarms & XVIII International Workshop on Low-Energy Positron and Positronium Physics, POSMOL 2015, 17-20 July 2015, Lisboa, Portugal, Book of Abstracts, p.26
8. J. Mirić, **D. Bošnjaković**, O. Šašić, J. de Urquijo, S. Dujko and Z.Lj. Petrović, *Scattering cross sections and electron transport coefficients for electrons in CF_3I* , ICOPS 2015 Abstract Book, 42nd IEEE International Conference on Plasma Science, 24-28 May 2015, Belek, Antalya, Turkey
9. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, *"Simulation of RPCs using microscopic Monte Carlo technique"*, XII workshop on Resistive Plate Chamber and Related Detectors, February 23-28 2014, Beijing, China, Book of abstracts, p. 21
10. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, *"Electron transport phenomena in gases for RPCs"*, XII workshop on Resistive Plate Chamber and Related Detectors, February 23-28 2014, Beijing, China, Book of abstracts, p. 21

11. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*Monte Carlo modelling of Resistive Plate Chambers*”, Proceedings of the XVII International Workshop on Low-Energy Positron and Positronium Physics and the XVIII International Symposium on Electron-Molecule Collisions and Swarms (POSMOL), July 19-21 2013, Kanazawa, Japan, p. 44

САОПШТЕЊЕ СА СКУПА НАЦИОНАЛНОГ ЗНАЧАЈА ШТАМПАНО У ИЗВОДУ (M64)

1. **D. Bošnjaković**, Z.Lj. Petrović and S. Dujko, “*A microscopic model for time response of Resistive Plate Chambers*”, Proceedings of the 3rd National Conference on Electronic, Atomic, Molecular and Photonic Physics (CEAMPP), August 25 2013, Belgrade, Serbia, p. 16

ОДБРАЊЕНА ДОКТОРСКА ДИСЕРТАЦИЈА (M70)

1. **Д. Бошњаковић**, „Моделовање гасних детектора честица високих енергија применом технике електронских ројева“, Универзитет у Београду, Електротехнички факултет, 2016.

ЦИТИРАНОСТ

Према *ISI/Web of Science* цитатној бази, радови Данка Бошњаковића цитирани су укупно 11 пута, односно 5 пута без аутоцитата. Треба имати у виду да су 3 од 6 радова објављени пре неколико месеци, као и малу просечну цитираност радова у области детектора и инструментације у експерименталној физици. На пример, водећи часописи у овој области: *Journal of Instrumentation*, *IEEE Transactions on Nuclear Science* и *Nuclear Instruments and Methods in Physics Research. Section A* имају импакт фактор за 2015. годину који је мањи од 1,4.