

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)

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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
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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

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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
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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

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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
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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
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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 CF₃I*, XXIX International Conference on Photonic, Electronic and Atomic Collisions, 22-28 July 2015, Toledo, Spain
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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 CF₃I*, 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)

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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.