


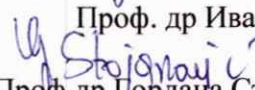
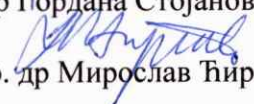
Примљено: 07.11.2023.			
ФР. ЈЕД	Б р о ј	Прилог	Вредност
01	1551/5		

На основу члана 121 Статута ПМФ-а одређени смо одлуком декана бр. 202/2-01 за чланове комисије за категоризацију радова M21A, M21, M22 и M23 пријављених кандидата за избор наставника. На основу приложене документације подносимо следећи извештај

Кандидат	Бр.радова M21A	Бр.радова M21	Бр.радова M22	Бр.радова M23	Укупно поена
Ненад Милојевић	3	6	7	2+1 (Спец. изд.)	120,5

У прилогу се налазе бодовани радови.

У Нишу, 07. новембар 2023.


Проф. др Иван Манчев

Проф. др Гордана Стојановић

Проф. др Мирослав Ћирић

Радови у међународном часопису изузетних вредности (M21a):

1. Ivan Mančev and **Nenad Milojević**, "*Electron correlations in single-electron capture from helium by fast protons and α particles*", Phys. Rev. A **81**, 022710 (2010).

<https://doi.org/10.1103/PhysRevA.81.022710>

<https://journals.aps.org/pr/abstract/10.1103/PhysRevA.81.022710>

2. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Four-body corrected first Born approximation for single-electron capture into arbitrary states of energetic projectiles*", Phys. Rev. A **86**, 022704 (2012).

<https://doi.org/10.1103/PhysRevA.86.022704>

<https://journals.aps.org/pr/abstract/10.1103/PhysRevA.86.022704>

3. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Electron correlations in single-electron capture into any state of fast projectiles from heliumlike atomic systems*", Phys. Rev. A **88**, 052706 (2013).

<https://doi.org/10.1103/PhysRevA.88.052706>

<https://journals.aps.org/pr/abstract/10.1103/PhysRevA.88.052706>

Радови у врхунском међународном часопису (M21):

1.* **Nenad Milojević**, Ivan Mančev, Danilo Delibašić and Dževad Belkić, "*Three-body boundary-corrected continuum-intermediate-state method for single charge exchange with the general transition amplitude ($1s \rightarrow nlm$) applied to the p -H($1s$), α -H($1s$), and p -He($1s^2$) collisions with $n \leq 4$* ", Phys. Rev. A **102**, 012816 (2020).

<https://doi.org/10.1103/PhysRevA.102.012816>

<https://journals.aps.org/pr/abstract/10.1103/PhysRevA.102.012816>

2.* Ivan Mančev, **Nenad Milojević**, Dževad Belkić, "*State-selective and total cross sections for electron capture from the K-shell of multi-electron atoms by fully stripped projectiles*", At. Data Nucl. Data Tables 2019, **129-130**, 101282.

<https://doi.org/10.1016/j.adt.2019.06.001>

<https://www.sciencedirect.com/science/article/abs/pii/S0092640X1930018X>

3. **Nenad Milojević**, Ivan Mančev and Dževad Belkić, "*Boundary-corrected four-body continuum-intermediate-state method for charge exchange between hydrogenlike projectiles and atoms*", Phys. Rev. A, **96**, 032709 (2017).

<https://doi.org/10.1103/PhysRevA.96.032709>

<https://journals.aps.org/pr/abstract/10.1103/PhysRevA.96.032709>

4. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Boundary-corrected four-body continuum-intermediate-state method: Single-electron capture from heliumlike atomic systems by fast nuclei*", Phys. Rev. A, **91**, 062705 (2015).

<https://doi.org/10.1103/PhysRevA.91.062705>

<https://journals.aps.org/prabstract/10.1103/PhysRevA.91.062705>

5. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Theoretical state-selective and total cross sections for electron capture from helium atoms by fully stripped ions*", Atomic Data and Nuclear Data Tables, **102**, 6 (2015).

<https://doi.org/10.1016/j.adt.2014.12.002>

<https://www.sciencedirect.com/science/article/pii/S0092640X14000801?via%3Dihub>

6. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Mutual neutralization in H^+ - H collisions by electron capture*", Europhysics Letters (EPL) **103**, 23001 (2013).

<https://10.1209/0295-5075/103/23001>

<https://iopscience.iop.org/article/10.1209/0295-5075/103/23001/meta>

Радови у истакнутом међународном часопису (M22):

1.* **Nenad Milojević**, Ivan Mančev, Danilo Delibašić and Dževad Belkić, "*Cross sections for single-electron capture from heliumlike targets by fast heavy nuclei*", Phys. Rev. A **107**, 052806 (2023).

<https://doi.org/10.1103/PhysRevA.107.052806>

<https://doi.org/10.1103/PhysRevA.107.052806>,

2.* **Nenad Milojević**, Ivan Mančev, Danilo Delibašić and Dževad Belkić, "*The BCIS-4B method for state-selective and state-summed total cross sections: Proton-helium charge exchange at 10-4000 keV*", Atomic Data and Nuclear Data Tables **150**, 101566 (2023).

<https://doi.org/10.1016/j.adt.2022.101566>Get rights and content

<https://ezproxy.nb.rs:2055/science/article/pii/S0092640X22000663?via%3Dihub>

3.* Danilo Delibašić, **Nenad Milojević**, Ivan Mančev and Dževad Belkić, "*Single-electron transfer from helium atoms to energetic multiply-charged nuclei*", Atomic Data and Nuclear Data Tables **148**, 101530 (2022).

<https://doi.org/10.1016/j.adt.2022.101530>,

<https://ezproxy.nb.rs:2055/science/article/pii/S0092640X22000341?via%3Dihub>

4.* Danilo Delibašić, **Nenad Milojević**, Ivan Mančev and Dževad Belkić, "*Electron transfer from atomic hydrogen to multiply-charged nuclei at intermediate and high energies*", Atomic Data and Nuclear Data Table **139**, 101417 (2021).

<https://doi.org/10.1016/j.adt.2021.101417>

<https://www.sciencedirect.com/science/article/abs/pii/S0092640X21000115?via%3Dihub>

5.* Ivan Mančev, **Nenad Milojević**, Danilo Delibašić and Dževad Belkić, "*Electron capture by fast projectiles from lithium, carbon, nitrogen, oxygen and neon*", Physica Scripta **95**, 065403 (2020).

<https://10.1088/1402-4896/ab725e>,

<https://iopscience.iop.org/article/10.1088/1402-4896/ab725e>

6. Dževad Belkić, Ivan Mančev and **Nenad Milojević**, "*Four-body theories for transfer ionization in fast ion-atom collisions*", Adv. Quantum Chem. **65**, 339 (2013).

<https://doi.org/10.1016/B978-0-12-396455-7.00012-1> Get rights and content

<http://www.sciencedirect.com/science/article/pii/B9780123964557000121>

7. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*State-selective and total single-capture cross sections for fast collisions of multiply charged ions with helium atoms*", Few-Body Systems **54**, 1889 (2013).

<https://doi.org/10.1007/s00601-012-0563-3>

<https://link.springer.com/article/10.1007/s00601-012-0563-3>

Радови у међународном часопису (M23):

1.* Danilo Delibašić, **Nenad Milojević**, Ivan Mančev and Dževad Belkić, "*Electron removal from hydrogen atoms by impact of multiply charged nuclei*", European Physical Journal **75**, 115 (2021).

<https://doi.org/10.1140/epjd/s10053-021-00123-6>

<https://link.springer.com/article/10.1140/epjd/s10053-021-00123-6>

2. Ivan Mančev, **Nenad Milojević** and Dževad Belkić, "*Electron capture by bare projectiles from multi-electron targets*", Eur. Phys. J. D **72**, 209 (2018).

<https://doi.org/10.1140/epjd/e2018-90290-8>

<https://link.springer.com/article/10.1140%2Fepjd%2Fe2018-90290-8>

Специјално издање у часопису категорије M23:

1.* **Nenad Milojević**, Ivan Mančev, Danilo Delibašić, Dževad Belkić, "*One-electron transfer from helium targets to protons: the BCIS-4B and CDW-3B methods for state-selective and state-summed total cross sections vs measurements*", Eur. Phys. J. D, **77**, 81 (2023).

<https://doi.org/10.1140/epjd/s10053-023-00653-1>

<https://link.springer.com/article/10.1140/epjd/s10053-023-00653-1>