

**Табела. 9.6.** Компетентност наставника

<b>Име и презиме</b>		Магдалена Ђорђевић		
<b>Звање</b>		Научни саветник		
<b>Ужа научна област</b>		Теоријска нуклеарна физика		
<b>Академска каријера</b>	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2016	Институт за физику	Физика	Теоријска нуклеарна физика
Докторат	2005	Columbia University, САД	Физика	Теоријска нуклеарна физика
Диплома	2000	Физички факултет, Београд	Физика	Статистичка физика
<b>Списак предмета које наставник држи на докторским студијама</b>				
<b>Р.Б.</b>	<b>Ознака</b>	<b>Назив предмета</b>		
1	ФИЗДФНФ8	Теоријска нуклеарна физика		
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)				
1	Stefan Stojku, Bojana Ilic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Extracting the temperature dependence in high-pt particle energy loss</i> , Phys. Rev. C <b>103</b> , 024908 (2021).			M21
2	Dusan Zigic, Bojana Ilic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Exploring the initial stages in heavy-ion collisions with high-p<sub>T</sub> RAA and v<sub>2</sub> theory and data</i> , Phys. Rev. C <b>101</b> , 064909 (2020).			M21
3	<u>Magdalena Djordjevic</u> , Stefan Stojku, Marko Djordjevic and Pasi Huovinen, <i>How to infer the shape of the QGP droplet from the data</i> , Phys. Rev. C Rapid Communications, 2019, 100, 031901 (2019).			M21
4	<u>Magdalena Djordjevic</u> , Dusan Zigic, Marko Djordjevic, Jussi Auvinen, <i>How to test path-length dependence in energy loss mechanisms: analysis leading to a new observable</i> , Phys. Rev. C Rapid Communications 99, 061902 (2019)			M21
5	Dusan Zigic, Igor Salom, Jussi Auvinen, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>DREENA-B framework: first predictions of R<sub>AA</sub> and v<sub>2</sub> within dynamical energy loss formalism in evolving QCD medium</i> , Phys. Lett. B 791, 236 (2019)			M21
6	Bojana Blagojevic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Calculating hard probe radiative energy loss beyond the soft-gluon approximation: Examining the approximation validity</i> , Phys. Rev. C 99, 024901 (2019)			M21
7	<u>Magdalena Djordjevic</u> , <i>Complex suppression patterns distinguish between major energy loss effects in Quark-Gluon Plasma</i> , Phys. Lett. B 763 439 (2016).			M21a
8	<u>Magdalena Djordjevic</u> and Marko Djordjevic, <i>Predictions of heavy-flavor suppression at 5.1 TeV Pb + Pb collisions at the CERN Large Hadron Collider</i> , Phys. Rev. C 92 2, 024918 (2015)			M21
9	Bojana Blagojevic and <u>Magdalena Djordjevic</u> , <i>Importance of different energy loss effects in jet suppression at RHIC and LHC</i> , J. Phys. G 42, 075105 (2015) (highlighted in LabTalk)			M21
10	<u>Magdalena Djordjevic</u> , <i>Heavy flavor puzzle at LHC: a serendipitous interplay of jet suppression and fragmentation</i> , Phys. Rev. Lett. 112, 042302 (2014)			M21a
11	<u>Magdalena Djordjevic</u> , Marko Djordjevic and Bojana Blagojevic, <i>RHIC and LHC jet suppression in non-central collisions</i> , Phys. Lett. B 737 298-302 (2014)			M21a
12	<u>Magdalena Djordjevic</u> and Marko Djordjevic, <i>LHC jet suppression of light and heavy flavor observables</i> , Phys. Lett. B 734, 286 (2014)			M21a
13	<u>Magdalena Djordjevic</u> and Marko Djordjevic, <i>Generalization of radiative jet energy loss to non-zero magnetic mass</i> , Phys. Lett. B 709, 229 (2012)			M21a
14	<u>Magdalena Djordjevic</u> , <i>Theoretical formalism of radiative jet energy loss in a finite size dynamical QCD medium</i> , Phys. Rev. C 80, 064909 (2009) (highlighted in: M Gyulassy, Physics 2, 107 (2009))			M21
15	<u>Magdalena Djordjevic</u> and Ulrich Heinz, <i>Radiative energy loss in a finite size dynamical QCD matter</i> , Phys. Rev. Lett. 101, 022302 (2008).			M21a
16	Simon Wicks, William Horowitz, <u>Magdalena Djordjevic</u> , Miklos Gyulassy, <i>Heavy quark tomography of A+A including elastic and inelastic energy loss</i> , Nucl. Phys. A 784, 426 (2007)			M22
17	<u>Magdalena Djordjevic</u> , <i>Transition radiation in QCD matter</i> , Rhys. Rev. C 73, 044912 (2006)			M21
18	<u>Magdalena Djordjevic</u> , <i>Collisional energy loss in a finite size QCD matter</i> , Phys. Rev. C 74, 064907 (2006).			M21
19	<u>Magdalena Djordjevic</u> , Miklos Gyulassy and Simon Wicks, <i>Open Charm and Beauty at Ultrarelativistic Heavy Ion Colliders</i> , Phys. Rev. Lett. 94,112301 (2005)			M21a
20	<u>Magdalena Djordjevic</u> and Miklos Gyulassy, <i>Heavy Quark Radiative Energy Loss in QCD Matter</i> , Nucl. Phys. A 733, 265 (2004).			M22
<b>Збирни подаци научне активност наставника</b>				
Укупан број цитата, без аутоцитата			2111 (по SCOPUS-у)	
Укупан број радова са SCI (или SSCI) листе			62	
Тренутно учешће на пројектима			Домаћи: 0	Међународни: 1
Усавршавања: Postdoc, Department of Physics, The Ohio State University (Oct 2005 -2008)				

**Table. 9.6** Teachers' competences

<b>Name and family name</b>		Magdalena Djordjevic		
<b>Title</b>		Principal Research Fellow		
<b>Narrow scientific area</b>		Theoretical Nuclear Physics		
<b>Academic career</b>	Year	Institution	Area	Narrow scientific or art area
Election to the title	2016	IPB	Physics	Theoretical Nuclear Physics
PhD	2005	Columbia University, USA	Physics	Theoretical Nuclear Physics
Diploma	2000	Faculty of Physics, Belgrade	Physics	Statistical Physics
<b>List of subjects the teacher is lecturing in doctoral studies</b>				
<b>No.</b>	<b>Mark</b>	<b>Subject name</b>		
1	ФизДФНФ8	Theoretical Nuclear Physics		
The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field ( <b>minimum 10, not more than 20</b> )				
1	Stefan Stojku, Bojana Ilic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Extracting the temperature dependence in high-pt particle energy loss</i> , Phys. Rev. C <b>103</b> , 024908 (2021).			M21
2	Dusan Zigic, Bojana Ilic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Exploring the initial stages in heavy-ion collisions with high-p<sub>T</sub> RAA and v<sub>2</sub> theory and data</i> , Phys. Rev. C <b>101</b> , 064909 (2020).			M21
3	<u>Magdalena Djordjevic</u> , Stefan Stojku, Marko Djordjevic and Pasi Huovinen, <i>How to infer the shape of the QGP droplet from the data</i> , Phys. Rev. C Rapid Communications, 2019, 100, 031901 (2019).			M21
4	<u>Magdalena Djordjevic</u> , Dusan Zigic, Marko Djordjevic, Jussi Auvinen, <i>How to test path-length dependence in energy loss mechanisms: analysis leading to a new observable</i> , Phys. Rev. C Rapid Communications 99, 061902 (2019)			M21
5	Dusan Zigic, Igor Salom, Jussi Auvinen, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>DREENA-B framework: first predictions of R<sub>AA</sub> and v<sub>2</sub> within dynamical energy loss formalism in evolving QCD medium</i> , Phys. Lett. B 791, 236 (2019)			M21
6	Bojana Blagojevic, Marko Djordjevic, <u>Magdalena Djordjevic</u> , <i>Calculating hard probe radiative energy loss beyond the soft-gluon approximation: Examining the approximation validity</i> , Phys. Rev. C 99, 024901 (2019)			M21
7	<u>Magdalena Djordjevic</u> , <i>Complex suppression patterns distinguish between major energy loss effects in Quark–Gluon Plasma</i> , Phys. Lett. B 763 439 (2016).			M21a
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9	Bojana Blagojevic and <u>Magdalena Djordjevic</u> , <i>Importance of different energy loss effects in jet suppression at RHIC and LHC</i> , J. Phys. G 42, 075105 (2015) (highlighted in LabTalk)			M21
10	<u>Magdalena Djordjevic</u> , <i>Heavy flavor puzzle at LHC: a serendipitous interplay of jet suppression and fragmentation</i> , Phys. Rev. Lett. 112, 042302 (2014)			M21a
11	<u>Magdalena Djordjevic</u> , Marko Djordjevic and Bojana Blagojevic, <i>RHIC and LHC jet suppression in non-central collisions</i> , Phys. Lett. B 737 298-302 (2014)			M21a
12	<u>Magdalena Djordjevic</u> and Marko Djordjevic, <i>LHC jet suppression of light and heavy flavor observables</i> , Phys. Lett. B 734, 286 (2014)			M21a
13	<u>Magdalena Djordjevic</u> and Marko Djordjevic, <i>Generalization of radiative jet energy loss to non-zero magnetic mass</i> , Phys. Lett. B 709, 229 (2012)			M21a
14	<u>Magdalena Djordjevic</u> , <i>Theoretical formalism of radiative jet energy loss in a finite size dynamical QCD medium</i> , Phys. Rev. C 80, 064909 (2009) (highlighted in: M Gyulassy, Physics 2, 107 (2009))			M21
15	<u>Magdalena Djordjevic</u> and Ulrich Heinz, <i>Radiative energy loss in a finite size dynamical QCD matter</i> , Phys. Rev. Lett. 101, 022302 (2008).			M21a
16	Simon Wicks, William Horowitz, <u>Magdalena Djordjevic</u> , Miklos Gyulassy, <i>Heavy quark tomography of A+A including elastic and inelastic energy loss</i> , Nucl. Phys. A 784, 426 (2007)			M22
17	<u>Magdalena Djordjevic</u> , <i>Transition radiation in QCD matter</i> , Phys. Rev. C 73, 044912 (2006)			M21
18	<u>Magdalena Djordjevic</u> , <i>Collisional energy loss in a finite size QCD matter</i> , Phys. Rev. C 74, 064907 (2006).			M21
19	<u>Magdalena Djordjevic</u> , Miklos Gyulassy and Simon Wicks, <i>Open Charm and Beauty at Ultrarelativistic Heavy Ion Colliders</i> , Phys. Rev. Lett. 94,112301 (2005)			M21a
20	<u>Magdalena Djordjevic</u> and Miklos Gyulassy, <i>Heavy Quark Radiative Energy Loss in QCD Matter</i> , Nucl. Phys. A 733, 265 (2004).			M22
<b>Cumulative data of scientific activity of the teacher</b>				
Total number of citations, without self citations		2111 (per SCOPUS)		
Total number of papers on the SCI (or SSCI) list		62		
Current participation in projects		Domestic: 0	International: 1	
Specialization: Postdoc, Department of Physics, The Ohio State University (Oct 2005 -2008)				

