

ПРИМЉЕНО:		06. 05. 2022	
Рад.јед.	Б р о ј	Арх.шифра	Прилог
0801	502/1		

Научном већу Института за физику у Београду

Предмет: Покретање поступка за реизбор у звање научни сарадник

Молим Научно веће Института за физику у Београду да покрене поступак за мој реизбор у звање научни сарадник.

У прилогу достављам:

1. мишљење руководиоца лабораторије са предлогом комисије за реизбор у звање
2. биографске и стурчне податке
3. преглед научне активности
4. елементе за квалитативну анализу научног доприноса
5. елементе за квантитативну анализу научног доприноса
6. списак објављених радова
7. податке о цитираности
8. копије објављених радова
9. доказе о преосталим елементима оцена научног доприноса

С поштовањем
Михаило Чубровић



2. Биографски и стручни подаци

Михаило Чубровић је рођен 04. 05. 1985. године у Београду, где је завршио основну школу “Деспот Стефан Лазаревић” и Математичку гимназију. Основне академске студије на Физичком факултету, смер Теоријска и експериментална физика, завршио је 2008. године са просечном оценом 9,85. Дипломски рад на тему „On topological defects in quantum and classical glass systems“ („О тополошким дефектима у класичним и квантним стакленим системима“) урадио је под менторством др Милана Петровића, научног саветника Института за физику у Београду. Од 2003. године до завршетка студија је био стипендиста Министарства за науку.

По завршетку академских студија, уписао је докторске студије из области физике на Лоренцовом институту Универзитета у Лајдену, Холандија. Докторску дисертацију на тему „Holography, Fermi surfaces and criticality“ („Холографија, Фермијеве површи и критичност“) урадио је под менторством др Јана Занена (Jan Zaanen) и др Кунрада Схалма (Koenraad Schalm), а одбранио је у фебруару 2013. године. Диплома докторских студија је нострификована јануара 2017. године, решењем Министарства просвете, науке и технолошког развоја бр. 612-01- 02635/2016-06. У току докторских студија био је запослен као млађи истраживач на Лоренцовом институту, и као асистент у настави на Универзитету у Лајдену.

По завршетку доктората, био је постдок на Универзитету у Келну, у групи др Ахима Роша (Achim Rosch). У току постдокторског усавршавања био је такође запослен као асистент у настави. Од 2017. године ради на Институту за физику у Београду, у Центру за изучавање комплексних система.

Од јула 2020. године учесник је пројекта “Cold atoms, Hubbard model and holography: the key to strange metals” (Key2SM) Фонда за финансирање науке Републике Србије. Током докторских студија био је добитник награде “Trots op” за научни рад на Универзитету у Лајдену.

Учествовао је и презентовао своје резултате на више конференција и радионица. Објавио је укупно 14 публикација, од тога један рад у престижном часопису Science (класификован као “Highly cited paper” у бази података Web of Science), 11 радова у часописима категорије M21, 1 рад у часопису категорије M22, 1 рад у часопису категорије M23 и једно поглавље у зборнику водећег међународног значаја M13. Његови радови су у другим радовима цитирани укупно 425 пута без самоцитата, а Хиршов индекс износи 5.

3. Преглед научне активности

Научно-истраживачки рад др Михаила Чубровића је фокусиран на тремеђу јако корелисаних квантних многочестичних система, физике високих енергија и нелинеарне динамике. У првој од наведених тема, кандидат се интересује пре свега за не-Фермијеве течности, чудне метале и квантно-критичне фазе, физика високих енергија се појављује кроз AdS/CFT кореспонденцију (холографију, холографску дуалност), термодинамику и информационе проблеме црних рупа, а нелинеарна динамика с једне стране даје игралиште за симулирање јако корелисаних система и квантне критичности, а с друге стране је тесно везана за проблеме информације црних рупа, и квантне сплетености (quantum entanglement) чудних метала. Радови кандидата комбинују аналитичке (теоријске) и нумеричке методе.

Основно питање радова [A1,B3-B5] је: можемо ли разумети не-Фермијеве течности и чудне метале на нивоу теорије средњег поља аналогне Ландауовој теорији Фермијевих течности, те постоји ли генеричко (РГ стабилно) стање интерагујућих електрона, које не нарушава никакву симетрију а које се разликује од Фермијеве течности. Идеја је да се проблем формулише преко AdS/CFT кореспонденције (холографског принципа), дуалности између отворених и затворених струна откривене крајем деведесетих година прошлога века. Дуалност повезује теорију поља (строго узев, гејџ теорију) са интеракцијама реда величине g са гравитацијом у анти-де Ситеровом простору са гравитационом константом реда $1/g$. Тако јако корелисани системи одговарају слабо интерагујућој, квазикласичној гравитацији. Први покушај [A1] је показао да већ јако упрошћен модел, који одговара електронима ниске густине у интеракцији са (неидентификованом) јако интерагујућом гејџ теоријом, показује Фермијеве површи са стабилним квазичестицама, сличним Фермијевој течности. Рад [B3] доноси целовитију теорију, у којој се показује да систем има две фазе, од којих једна одговара Фермијевој течности, а друга не-Фермијевој течности са неким квантно-критичним особинама (аномално скалирање по енергији, не и по импулсу). Овде је изведен нови елемент “холографског речника”, тј. нови елемент AdS/CFT дуалности: скок дистрибуције импулса на Фермијевој површи Z одговара одређеној одржаној струји (билинеарном оператору) у AdS простору; разрађен је и општи формализам за рачун са билинеарним операторима који се може употребити и за друге параметре уређења. У [B4,B5] се разматрају пре свега формална питања значајна за разумевање саме кореспонденције: испоставља се да је нестабилност критичне Фермијеве површи дуална суперрадијационој нестабилности наелектрисане црне рупе, док Фермијева течност одговара Лифшицовој геометрији. На основу тога, у [B5] је конструисан цео фазни дијаграм система. Методолошки, ови радови комбинују аналитичка извођења на основу “холографског речника”, тј. асимптотских решења Ајнштајнових једначина која се могу добити аналитички, и самоусаглашено нумеричко решавање целог система једначина (за метрику, гејџ поља и поља материје) у AdS простору. Сада кандидат сличним методама проучава не-Фермијеве течности у присуству кристалне решетке, слично као у Хабардовом моделу. Други активни правац рада (arXiv:2204.10092[hep-th]) је моделирање стабилне Фермијеве течности, што је у холографском приступу сложеније него добијање не-Фермијеве течности.

У радовима [B2,B7] такође су у холографским моделима проучавани јако интерагујући електрони, али сада у спољашњем магнетном пољу. У [B2] је дат крајње поједностављен модел квантног Холовог ефекта и фактори попуњености у фази Фермијеве и не-Фермијеве течности. Показује се да у овом моделу не-Фермијева фаза доводи до фракционе попуњености, док нормални метал даје целобројни ефекат. У [B7] је дат физички боље мотивисан модел екситона (парова електрон-шупљина) у билинеарном формализму претходно развијеном у [B3]. Показано је како долази до магнетне катализе и кондензације екситона под дејством магнетног поља, и

конструисан је фазни дијаграм који је упоређен са резултатима из литературе за екситоне у двослојном графену. Овај рад ће бити искоришћен као основа за реалистичније моделе спаривања електрон-шупљина, какви се јављају у експериментално реализованим системима диполних фермиона и двослојева.

Док холографски модели чудних метала и не-Фермијевих течности представљају у извесном смислу квантне критичне фазе (јер имају степене законе скалирања не у једној тачки, већ у читавој области простора), што их чини занимљивим и повезује са неким експерименталним резултатима, с друге стране у јако корелисаним системима квантне критичне тачке могу такође да се разликују од уобичајене парадигме фазних прелаза између уређених и неуређених фаза. У [В8] је показано како холографски суперпроводници могу имати критичну тачку у којој истовремено долази и до кондензације електронских парова и до деконфинирања позадинских $U(N)$ гејџ поља. Сличне ситуације у којима се комбинују сламање симетрије и деконфинирање пронађене су и у [В9,С1] на примеру вртлога у нелинеарном оптичком систему. Ту деконфинирање одговара прелазу Березинског-Костерлиц-Таулеса (БКТ), који се види и у холографским системима, а симетрије могу бити геометријске, као у [С1], или сложеније, везане за колективно понашање, као у [В9]. Овакве ситуације су познате и у литератури о егзотичном магнетизму и Сачдев-Је-Китајев (Sachdev-Ye-Kitaev) моделима, а предност класичних модела које смо користили је да су добрим делом доступни и аналитичком раду.

Конечно, можемо се упитати да ли постоји и непосредна веза нелинеарне динамике и неких универзалних, квантно-критичних особина многочестичних система. Чини се да потврдан одговор дају границе хаоса, тј. максималне вредности квантног Љапуновљевог експонента нађене за класичне црне рупе и њихове холографске дуале. У раду [В10] кандидат је показао да границе хаоса имају важну улогу са обе стране холографске дуалности, али се модификују у присуству квантних објеката као што струне (тј. у присуству корекција на класичну општу релативност); у дуалној теорији поља ово значи да посматрамо композитне операторе велике димензије. У раду [В11] овај налаз је знатно уопштен: чим димензије оператора не чине дискретан спектар као у конформним теоријама поља (што се односи на већину практичних ситуација, осим уобичајених квантних критичних тачака – не и квантних критичних фаза), квантни Љапуновљеви експоненти губе смисао, и морасе посматрати цела временски неуређена корелациона функција. Њено понашање је међутим универзално, и показује два робусна режима, који разликују чисто хаотичну од мешане динамике. Док је у класичном хаосу овакве системе могуће разликовати нпр. путем Поенкареових пресека, до сада није било начина да се мешана динамика јасно детектује у квантом случају (осим путем статистике енергетског спектра, што је захтева знатно обимније прорачуне). У току је такође рад на статистичким карактеристикама квантно-хаотичних система (arXiv:2203.10697[hep-th]) и на телепортацији у високо корелисаним и квантно-хаотичним системима (arXiv:2103.01372[hep-th]).

4. Елементи за квалитативну анализу научног доприноса

4.1 Квалитет научних резултата

Кандидат је до сада објавио 14 радова, од тога 1 у часопису М21а (међународни часопис изузетне вредности), 11 у часописима категорије М21 (врхунски међународни часопис), 1 у часопису категорије М22 (водећи међународни часопис) и 1 у часопису категорије М23 (међународни часопис).

4.1.1 Научни ниво и значај резултата

Радови кандидата највећим делом (11 од 14 радова) су објављени у врхунским међународним часописима. Радови [A1], [B3] и [B4] формирали су нову тачку гледишта на високо корелисане фермионе и инспирисали даљи рад низа аутора у истом правцу. Рад [B9] је указао на дубоке везе теорије струна и квантног хаоса и недавно је такође инспирисао даљи рад других аутора у покушају да разумеју везу динамике струне и временски неуређених корелационих функција у теорији поља.

4.1.2 Цитираност научних радова кандидата

Према бази Web of Science, радови кандидата су цитирани укупно 425 пута без самоцитата (times cited without self-citations), у укупно 376 радова (citing articles without self-citations), уз Хиршов индекс 5.

4.1.3 Параметри квалитета радова и часописа

Кандидат је објавио радове у следећим часописима:

5 радова у Journal of High Energy Physics (ИФ=6.023)

2 рада у Physical Review A (ИФ=3.140)

1 рад у Physical Review B (ИФ=3.718)

3 рада у Physical Review D (ИФ=4.506)

1 рад у Physical Review E (ИФ=2.252)

1 рад у Science (ИФ=34.661)

1 рад у European Physical Journal D (ИФ=1.208)

Укупан импакт фактор радова кандидата је 91.752.

4.1.4 Степен самосталности и степен учешћа у реализацији радова у научним центрима у земљи и иностранству

Кандидат је једини аутор радова [B1,B8,B10]. Кандидат је водећи аутор на 5 радова са коауторима [A1,B3,B4,B9,D1], у којима је развио нумерички метод и дао кључни допринос у погледу израде нумеричких симулација и њихове интерпретације, као и допринос писању радова. На радовима [B2,B7,E1] кандидат је такође аутор нумеричког метода коришћеног за добијање резултата. Радови [B11] и [C1] настали су као резултат студентских пракси, први аутори су студенти Драган Марковић и Тривко Кукољ, а кандидат, као руководиоца истраживања, је други аутор.

4.2 Ангажованост у формирању научних кадрова

Активности пре претходног избора у звање

Кандидат је у летњем семестру 2010. и 2011. године био асистент на предмету Theory of Condensed Matter на Универзитету у Лајдену. На Универзитету у Келну био је асистент на предметима Advanced Quantum Mechanics (зима 2013. године), Quantum Mechanics (лето 2014. године) и Quantum Field Theory (лето 2015. године). На универзитету у Лајдену кандидат је радио са мастер студентима (Piet Schijven и Jelle Brill), који су се укључили у рад на публикацијама [B2] и [E1].

Активности након претходног избора у звање

Михаило Чубровић је тренутно ментор мастер тезе студента Владана Гецина (Физички факултет у Београду), на тему холографског Хабардовог модела у оквиру пројекта Key2SM (студент није члан Key2SM тима, али сарађује на истој теми). Студент ће бранити тезу у јулу или септембру 2022. године.

Кандидат је радио са студентима Физичког факултета у Београду и Природно-математичког факултета у Новом Саду у оквиру летњих пракси. Летњу праксу са кандидатом су радили Душан Новичић (аналитичко тражење солитонских решења методом инверзног расејања, 2017; хаотичне геодезијске у пољу длакаве црне рупе, 2018), Владан Ђукић (Emerging Fermi liquids from regulated Quantum Electron Stars, 2022) и Драган Марковић [B11], сви са Физичког факултета у Београду; Тривко Кукољ [C1] и Филип Херчек (електронски спектри на холографским решеткама, у оквиру пројекта Key2SM), сви са Природно-математичког факултета у Новом Саду. Током посет Универзитету у Лајдену (и раније Универзитету у Амстердаму), кандидат ради са студентом Николом Шањом (Nicolas Chagnet), на заједничком пројекту са Владаном Ђукићем (Emerging Fermi liquids from regulated Quantum Electron Stars, 2022, arXiv:2204.10092[hep-th]).

Кандидат је такође држао предавања у оквиру предмета Семинар савремене физике за студенте треће године Физичког факултета у Београду (теме: Квантна критичност и чудни метали, март 2018 и април 2019; Квантна теорија информација, црне рупе и црвоточине, април 2021). Такође је активан као стручни сарадник у Истраживачкој станици Петница, на семинарима Астрономија и Физика.

4.3 Нормирање броја коауторских радова, патената и техничких решења

Сви радови кандидата укључују нумеричке симулације. По Правилнику, рад [B2] и рад у зборнику [E1] рачунају се са коефицијентом $1/(1+0.2) \approx 0.83$, јер имају укупно шест коаутора. Остали радови (укључујући и све радове објављене после претходног избора у звање) имају мање од пет аутора, и рачунају се са пуним бројем бодова.

4.4 Учесће у пројектима, потпројектима и пројектним задацима

Кандидат је учествовао у пројекту ON171017 финансираном од стране Министарства за науку, просвету и технолошки развој. Био је руководилац потпројекта 3, Јако корелисани многочестични системи, AdS/CFT кореспонденција и квантна критичност, а учествовао је и у потпројекту 2, Тополошке фазе.

Током последње две године, главни фокус научне активности кандидата представља пројекат ПРОМИС Центра за финансирање науке Републике Србије под називом “Cold atoms, Hubbard model and holography: the key to strange metals (Key2SM). Пројекат има за циљ да испита могуће везе AdS/CFT модела чудних метала (базираних на црним рупама које нарушавају законе хиперскалирања у Ајнштајн-Максвел-дилатон системима) и Хабардовог модела, путем поређења спектралних функција електрона.

4.5 Активност у научним и научно-стручним друштвима

4.5.1 Рецензије научних радова

Кандидат је рецензент у часописима Journal of High Energy Physics (ИФ=5.810) и European Physical Journal C (ИФ=4.590).

4.5.2 Организација научних скупова

Кандидат је коорганизатор online радионице "Strange metal in the Hubbard model and AdS/CFT" која ће се одржати 23-25. маја ове године, у оквиру PROMIS пројекта Key2SM. Радионица ће окупити водеће експерте из двеју области које проучавају јако корелисане електронске системе двома различитим методама: нумеричким решавањем Хабардовог модела и дуалношћу AdS/CFT.

4.6 Утицајност научних резултата

Кандидат је у току докторских студија развио методе рачунања спектра и проучавања основног стања (путем бекреакције на геометрију) за холографске моделе на коначној густини (или хемијском потенцијалу). Ови методи и резултати су покренули рад низа истраживача на сличним питањима, што се види из цитираности кључних радова, пре свега [A1] и [B3,B4], а такође су иницирали систематски рад на холографском приступу јако корелисаним електронским системима на Универзитету у Лајдену. Кандидат је иницирао рад на примењеној холографији као новој области на Институту за физику, руководио одговарајућим потпројектом у оквиру пројекта ОН170717, и иницирао повезивање ове области са добро потврђеним микроскопским моделима као што је Хабардов, поређењем са квантним Монте Карло прорачунима.

4.7 Конкретан допринос кандидата у реализацији радова у научним центрима у земљи и иностранству

Као што је већ наведено, кандидат је самостални аутор 3 рада, водећи аутор 5 радова, аутор кода за нумеричке симулације у још 3 рада и руководиоца студента на пракси и докторског студента на 2 рада. Већину својих научних активности после претходног избора у звање кандидат обавља на Институту за физику у Београду, уз редовне посете Универзитету у Лајдену.

4.8 Међународна сарадња

Кандидат је завршио докторске студије на Универзитету у Лајдену, са којим и данас има активну сарадњу. Након тога, био је на постдокторском усавршавању на Универзитету у Келну. Кандидат је сарађивао и са Универзитетом у Франкфурту (Institute for Theoretical Physics, J.-W. Goethe-University), Институтом за напредне студије у Франкфурту (Frankfurt Institute for Advanced Studies), Универзитетом у Гетингену (Institute for Theoretical Physics, Georg August University, Goettingen) и Универзитетом у Амстердаму, што се види из радова са коауторима. Остварио је краће посете бројним универзитетима и институтима (Универзитет у Утрехту; NORDITA, Стокхолм; Природно-математички факултет Љубљана (online)) где је на семинарима представио своје радове.

5. Елементи за квантитативну анализу научног доприноса

Остварени резултати у периоду након одлуке Научног већа о предлогу за стицање претходног научног звања:

Категорија	М бодова по раду	Број радова	Укупно М бодова	Нормирани број М бодова
M21	8	3	24	24
M22	5	1	5	5
M33	1	3	3	3
M34	0.5	1	0.5	0.5
укупно				32.5

Поређење са минималним квантитативним резултатима за избор у звање научни сарадник:

М категорије	Минимални услов	Нормирани остварени резултат
Укупно	16	32.5
M10+M20+M31+M32+M33+M41+M42	10	32.5
M11+M12+M21+M22+M23	6	29

6. Списак објављених радова

Радови објављени у научним часописима међународног значаја (M20)

Радови објављени пре претходног избора у звање

Радови у међународним часописима изузетних вредности (M21a)

[A1]

M. Čubrović, J. Zaanen, K. Schalm

String theory, quantum phase transitions and the emergent Fermi liquid,
Science 325, 439, 2009.

[arXiv:0904.1993[hep-th]]

[10.1126/science.1174962](https://doi.org/10.1126/science.1174962)

7 страна, 263 цитата без аутоцитата, ИФ за 2020. годину 47.728, ИФ за 2009. годину 29.747

Радови у врхунским међународним часописима (M21)

[B1]

M. Čubrović

Fractional kinetic model for chaotic transport in nonintegrable Hamiltonian systems,
Physical Review E 72, 025204(R), 2005.

[10.1103/PhysRevE.72.025204](https://doi.org/10.1103/PhysRevE.72.025204)

4 стране, ИФ за 2020. годину 2.529, ИФ за 2005. годину 2.418

[B2]

E. Gubankova, J. Brill, M. Čubrović, K. Schalm, P. Schijven, J. Zaanen

Holographic fermions in external magnetic fields,
Physical Review D 84, 106003, 2011.

[arXiv:1011.4051[hep-th]]

<https://doi.org/10.1103/PhysRevD.84.106003>

27 страна, 15 цитата без аутоцитата, ИФ за 2020. годину 5.296, ИФ за 2011. годину 4.558

[B3]

М. Čubrović, J. Zaanen, K. Schalm

Constructing the AdS dual of a Fermi liquid: black holes with Dirac hair,

Journal of High Energy Physics 10, 2011, 17, 2011.

[arXiv:1012.5681[hep-th]]

[https://doi.org/10.1007/JHEP10\(2011\)017](https://doi.org/10.1007/JHEP10(2011)017)

29 страна, 13 цитата без аутоцитата, ИФ за 2020. годину 5.810, ИФ за 2011. годину 5.831

[B4]

М. Čubrović, Y. Liu, K. Schalm, Y.-W. Sun, J. Zaanen

Spectral probes of the holographic Fermi liquid ground state: Dialing between the electron star and the AdS Dirac hair,

Physical Review D, 84, 086002, 2013.

[arXiv:1106.1798[hep-th]]

<https://doi.org/10.1103/PhysRevD.84.086002>

16 страна, 18 цитата без аутоцитата, ИФ за 2020. годину 5.296, ИФ за 2013. годину 4.864

[B5]

М. V. Medvedyeva, E. Gubankova, М. Čubrović, K. Schalm, J. Zaanen

Quantum corrected phase diagram of holographic fermions,

Journal of High Energy Physics 12, 2013, 25, 2013.

[arXiv:1302.5149[hep-th]]

[https://doi.org/10.1007/JHEP12\(2013\)025](https://doi.org/10.1007/JHEP12(2013)025)

26 страна, 3 цитата без аутоцитата, ИФ за 2020. годину 5.810, ИФ за 2013. годину 5.618

[B6]

М. V. Medvedyeva, М. T. Čubrović, S. Kehrein

Dissipation-induced first-order decoherence phase transition in a noninteracting fermionic system,

Physical Review B 91, 205416, 2015.

[arXiv:1409.1625[cond-mat]]

<https://doi.org/10.1103/PhysRevB.91.205416>

11 страна, 3 цитата без аутоцитата, ИФ за 2020. годину 4.036, ИФ за 2014. годину 3.736

[B7]

Е. Gubankova, М. Čubrović, J. Zaanen

Exciton-driven quantum phase transitions in holography,

Physical Review D 92, 086004, 2015.

[arXiv:1412.2373[hep-th]]

<https://doi.org/10.1103/PhysRevD.92.086004>

35 страна, 1 цитат без аутоцитата, ИФ за 2020. годину 5.296, ИФ за 2013. годину 4.864

[B8]

М. Čubrović

Confinement/deconfinement transition from symmetry breaking in gauge/gravity duality,

Journal of High Energy Physics 10, 2016, 102, 2016.

[arXiv:1605.07849[hep-th]]

[https://doi.org/10.1007/JHEP10\(2016\)102](https://doi.org/10.1007/JHEP10(2016)102)

38 страна, ИФ за 2020. годину 5.810, ИФ за 2014. годину 6.220

Радови у међународним часописима (М23)

[D1]

М. Ćubrović, О. Obolensky, А. Solov'yov

Semistiff polymer model of unfolded proteins and its application to NMR residual dipolar couplings,

European Physical Journal D 51, 41, 2009.

<https://doi.org/10.1140/epjd/e2008-00195-x>

9 страна, 4 цитата без аутоцитата, ИФ за 2015. годину 1.208, ИФ за 2009. годину 1.420

Рад у тематском зборнику водећег међународног значаја (М13)

[E1]

Е. Gubankova, J. Brill, М. Ćubrović, К. Schalm, P. Schijven, J. Zaanen

Holographic description of strongly correlated electrons in external magnetic fields

D. Kharzeev et al (eds.), Strongly interacting matter in magnetic fields, Lecture Notes in Physics

871, Springer-Verlag Berlin Heidelberg, 2013. (ISBN 978-3-642-37304-6), p. 555.

35 страна

Радови објављени након претходног избора у звање

[B9]

М. Ćubrović and М. S. Petrović

Quantum criticality in photorefractive optics: Vortices in laser beams and antiferromagnets,

Physical Review A, 96, 053824 (2017).

[arXiv:1701.03451[physics.optics]]

<https://doi.org/10.1103/PhysRevA.96.053824>

34 стране, ИФ за 2020. годину 3.140, ИФ за 2017. годину 2.909

[B10]

М. Ćubrović

The bound on chaos for closed strings in Anti-de Sitter black hole backgrounds,

Journal of High Energy Physics 12, 2019, 150 (2019).

[arXiv:1904.06295[hep-th]]

[https://doi.org/10.1007/JHEP12\(2019\)150](https://doi.org/10.1007/JHEP12(2019)150)

32 стране, ИФ за 2020. годину 5.810, ИФ за 2019. годину 4.897

[B11]

D. Marković and М. Ćubrović

Detecting few-body quantum chaos: out-of-time ordered correlators at saturation

Journal of High Energy Physics 05, 2022, 023 (2022).

[arXiv:2202.09443[hep-th]]

28 страна, ИФ за 2020. годину 5.810

Радови у водећим међународним часописима (M22)

[C1]

T. Kukulj and M. Čubrović

Spontaneous isotropy breaking for vortices in nonlinear left-handed metamaterials,
Physical Review A, 100, 053853 (2019).

[arXiv:1812.08805[physics.optics]]

<https://doi.org/10.1103/PhysRevA.100.053853>

15 страна, ИФ за 2020. годину 3.140, ИФ за 2019. годину 2.777

Зборници међународних научних скупова (M30)

Радови објављени пре претходног избора у звање

Саопштења са међународних скупова штампана у целини (M33)

[F1]

M. Čubrović

Regimes of stability and scaling relations for the removal time in the asteroid belt: a simple kinetic model and numerical tests

(Z. Knežević, A. Milani, eds.), IAUC197 2004, 209, 2004.

IAU Colloquium No. 197: „Dynamics of Populations of Planetary Systems”, Belgrade, Serbia, September 1-5. 2004

8 страна

[F2]

M. Čubrović

Fully analytic kinetic model of resonance dynamics in the Solar system, Publ. Astron. Obs. Belgrade 80, 173, 2006.

Proceedings of the XIV National conference of astronomers of Serbia and Montenegro

5 страна

Саопштења са међународних скупова штампана у изводима (M34)

[G1]

M. Čubrović

Let's Face Chaos Through Nonlinear Dynamics, Maribor, Slovenia, June 26. – July 10. 2005:

Universality and scaling in nonlinear Hamiltonian systems – escape times, Lyapunov exponents and inverse chaotic scattering

[G2]

M. Čubrović, J. Zaanen, K. Schalm

Physics@FOM 2011, Veldhoven, Netherlands, January 18-20. 2011: Geometry encoding for statistics: from Fermi liquids to Cooper pairing

[G3]

M. Čubrović, K. Schalm, J. Zaanen

SFKM2011 – Symposium on Physics of Condensed Matter, Belgrade, Serbia, April 2011:

Fermionic quantum criticality from AdS/CFT correspondence

[G4]

M. Čubrović, K. Schalm, J. Zaanen

Physics@FOM 2012, Veldhoven, Netherlands, January 17-19. 2012: Novel stable phases of matter from AdS/CFT correspondence

[G5]

M. Čubrović, J. Zaanen, K. Schalm

Physics@FOM 2013, Veldhoven, Netherlands, January 22-24. 2013: The strange metals and Fermi liquids of holography

[G6]

M. Čubrović

DPG spring meeting, Dresden, Germany, March 30-April 4 2014: Heavy fermion quantum critical point from AdS/CFT correspondence

[G7]

M. Čubrović

DPG spring meeting, Berlin, Germany, March 15-20 2015: Dissipation-induced first order decoherence phase transition in a non-interacting fermionic system

Радови објављени након претходног избора у звање

Саопштења са међународних скупова штампана у целини (M33)

[F3]

M. Čubrović and M. Petrović

Vortex dynamics of counterpropagating laser beams in photorefractive materials, Optical and Quantum Electronics 50, 406, 2018.

VI International School and Conference on Photonics – PHOTONICA2017, Belgrade, 28 August -1 September 2017.

13 страна

[F4]

M. Čubrović

Fermions, hairy blackholes and hairy wormholes in anti-de Sitter spaces, Proceedings of the 10th MATHEMATICAL PHYSICS MEETING: School and Conference on Modern Mathematical Physics (Belgrade 9-14 September 2019), SFIN, Institute of Physics, Belgrade 2020, Serbia.

28 страна

[F5]

M. Čubrović

Chaos and replica wormholes in the IIB matrix model, 素粒子論研究 (Research in high-energy physics) 36, 2022.

YITP workshop Strings and Fields 2021 (YITP, Kyoto, 23-27 August)

30 страна

Саопштења са међународних скупова штампана у изводима (М34)

[G10]

М. Ћубровић

Iberian Strings, Lisboa, Portugal, January 19-22 2021 (online): Lyapunov spectra in traversable wormholes and their holographic duals

ИНСТИТУТ ЗА ФИЗИКУ

ПРИМЉЕНО:		06. 05. 2022	
Ред.јед.	б р о ј	Арх.шифра	Прилог
0801	500/1		

Научном већу Института за физику у Београду

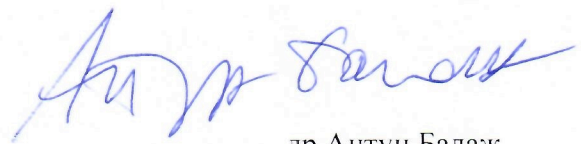
Београд, 5. мај 2022. године

Предмет: Мишљење руководица лабораторије о реизбору др Михаила Чубровића у звање научни сарадник

Др Михаило Чубровић је запослен у Лабораторији за примену рачунара у науци, у оквиру Националног центра изузетних вредности за изучавање комплексних система Института за физику у Београду. Он ради на темама везаним за проучавање јако корелираних квантних система. С обзиром да испуњава све предвиђене услове у складу са Правилником о стицању истраживачких и научних звања МПНТР, сагласан сам са покретањем поступка за реизбор др Михаила Чубровића у звање научни сарадник.

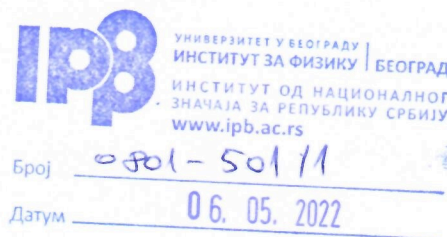
За састав комисије за реизбор др Михаила Чубровића у звање научни сарадник предлажем:

- (1) др Јакша Вучичевић, виши научни сарадник, Институт за физику у Београду,
- (2) др Ђорђе Спасојевић, редовни професор Физичког факултета Универзитета у Београду,
- (3) др Антун Балаж, научни саветник, Институт за физику у Београду



др Антун Балаж
научни саветник

Руководилац Лабораторије за примену рачунара у науци



ПОТВРДА О РУКОВОЂЕЊУ ПОТПРОЈЕКТОМ

Овим потврђујем да је научни сарадник др **Михаило Чубровић**, за кога се покреће реизбор у звање научни сарадник, у оквиру Лабораторије за примену рачунара у науци Националног центра изузетних вредности за изучавање комплексних система Института за физику у Београду, руководи потпројектом 3: „Јако корелисани многочестични системи, AdS/CFT кореспонденција и квантна критичност“. На поменутом потпројекту су били ангажовани следећи истраживачи: др Михаило Чубровић, др Јакша Вучичевић, др Милош Радоњић.

др Антун Балаж
научни саветник

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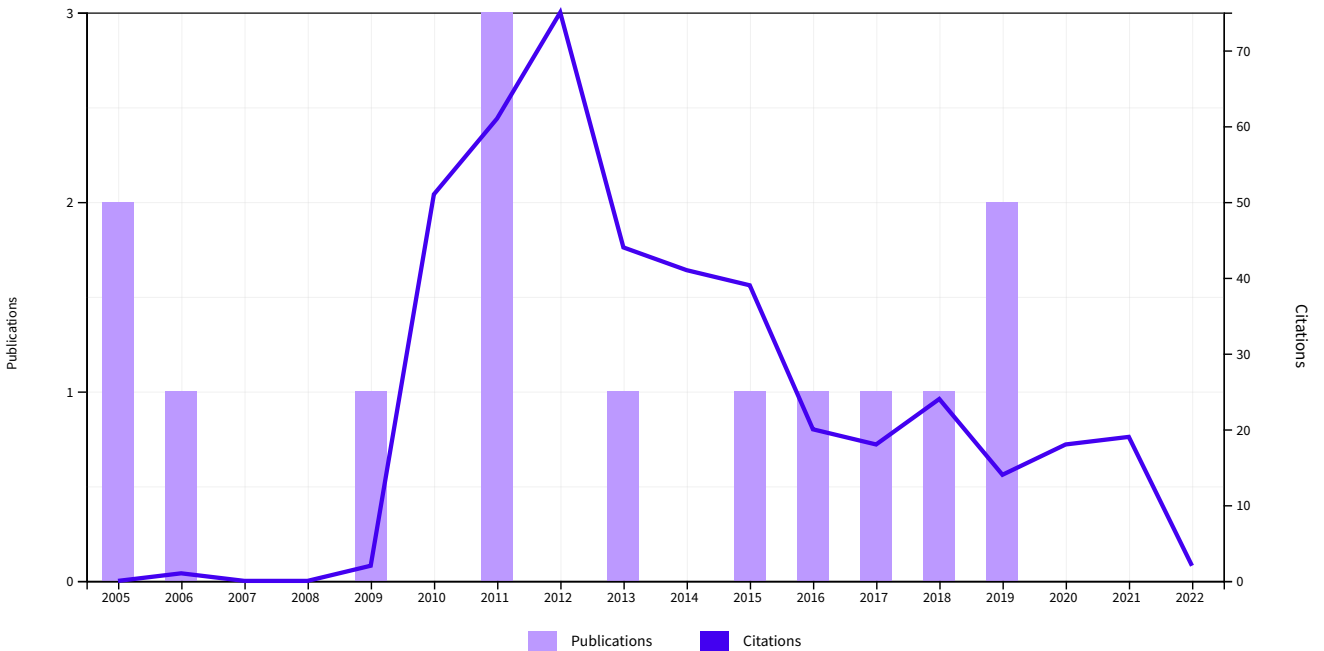
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We explore numerically and analytically the pattern formation and symmetry breaking of beams propagating through left-handed (negative) nonlinear metamaterials. When the input beam is a vortex with topological charge (winding number) Q , the initially circular (isotropic) beam acquires the symmetry of a polygon with Q , $2Q$, or $3Q$ sides, depending on the details of the response functions of the ma ... [Show more](#)

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

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[DeWolfe, O; Henriksson, O and Wu, CL](#)Dec 2017 | [ANNALS OF PHYSICS](#) 387, pp.75-120

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[Hu, YP; Pan, F and Wu, XM](#)Sep 10 2017 | [PHYSICS LETTERS B](#) 772, pp.553-558

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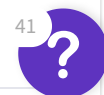
[Mukhopadhyay, S and Rai, N](#)Sep 5 2017 | [PHYSICAL REVIEW D](#) 96 (6)

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 59 [Dispersive Instability of Multidimensional Light Bullets in Impurity Metal and AdS/CFT Correspondence](#)
[Belonenko, MB](#) and [Konobeeva, NN](#)Aug 2017 | [RUSSIAN PHYSICS JOURNAL](#) 60 (4), pp.577-585

The paper examines the evolution of a light bullet in a metal with impurities. Energy spectrum of the impurity metal was calculated on the basis of

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References[Related records](#)
 60 [Holographic Fermi surfaces in the six-dimensional \(2,0\) theory](#)
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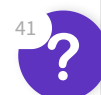
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 62 [Topological non-Fermi liquid](#)
[Cai, RG](#); [Qi, YH](#); (...); [Zhang, YL](#)Jun 23 2017 | [PHYSICAL REVIEW D](#) 95 (12)

The (2 + 1)-dimensional non-Fermi liquid (NFL) has a dual description in the (3 + 1)-dimensional anti-de Sitter (AdS) spacetime ... [Show more](#)

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 63 [Charged Lifshitz black hole and probed Lorentz-violation fermions from holography](#)
[Luo, CJ](#); [Kuang, XM](#) and [Shu, FW](#)Jun 10 2017 | [PHYSICS LETTERS B](#) 769, pp.7-135
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References

We analytically obtain a new charged Lifshitz solution by adding a non ... [Show more](#)

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64 [Holographic Floquet states I: a strongly coupled Weyl semimetal](#)



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Floquet states can be realized in quantum systems driven by continuous time-periodic perturbations. It is known that a state kr ... [Show more](#)

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[Giordano, GL](#); [Grandi, NE](#) and [Lugo, AR](#)
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We investigate the spectral function of fermions in a p-wave superconducting state, at finite both temperature and gravitat ... [Show more](#)

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40
References

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[Kiritsis, E](#) and [Li, L](#)
Mar 17 2017 | [JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL](#) 50 (11)

We use the DBI action from string theory and holography to study the magneto-resistance at quantum criticality with hyperscaling violation. We

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...

23
Citations

44
References

[Related records](#)

67 [Shear viscosity at the Ising-nematic quantum critical point in two-dimensional metals](#)



[Eberlein, A](#); [Patel, AA](#) and [Sachdev, S](#)
Feb 15 2017 | [PHYSICAL REVIEW B](#) 95 (7)

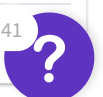
In an isotropic strongly interacting quantum liquid without quasiparticles, general scaling arguments imply that the dimension ... [Show more](#)

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11
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References

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- 68 **Holographic Models Without Translational Invariance** 1
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- [Wu, SY](#)
Jan 2017 | [JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM](#) 30 (1) , pp.31-34 26
References
- In this proceeding paper, we briefly discuss some holographic models without translational invariance. We construct ... [Show more](#)
- [Full Text at Publisher](#) ... Related records

- 69 **Realizing infrared power-law liquids in the cuprates from unparticle interactions** 7
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- [Limtragool, K; Setty, C; \(...\); Phillips, PW](#)
Dec 8 2016 | [PHYSICAL REVIEW B](#) 94 (23) 27
References
- Recent photoemission experiments [1] reveal that the excitations along the nodal region in the strange metal phase of th ... [Show more](#)
- [Free Full Text From Publisher](#) ... Related records

- 70 **Holographic fermions at strong translational symmetry breaking: a Bianchi-VII case study** 8
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- [Bagrov, A; Kaplis, N; \(...\); Zaanen, J](#)
Nov 9 2016 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (11) 32
References
- It is presently unknown how strong lattice potentials influence the fermion spectral function of the holographic strang ... [Show more](#)
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- 71 **Understanding strongly coupling magnetism from holographic duality** 2
Citations
- [Cai, RG](#) and [Yang, RQ](#)
2nd LeCosPA International Symposium on Everything about Gravity
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References
- The unusual magnetic materials are significant in both science and technology. However, because of the strongly correlated ef ... [Show more](#)
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- 72 **Engineering holographic phase diagrams** 4
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- [Chen, JW; Dai, SH; \(...\); Zhang, YL](#)
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References



- By introducing interacting scalar fields, we tried to engineer physically motivated holographic phase diagrams which may be i ... [Show more](#)
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-
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Citations
- [Masrour, R](#) and [Jabar, A](#)
Aug 2016 | [CHINESE PHYSICS B](#) 25 (8)
- The magnetic effect and the magnetocaloric effect in La₂NiMnO₆(LNMO) double perovskite are studied using the Monte C ... [Show more](#)
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-
- [Related records](#)
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- [Goykhman, M](#)
Jul 7 2016 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (7)
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-
- [Related records](#)
-
- 75 [Dense Chern-Simons matter with fermions at large N](#) **24**
Citations
- [Geracie, M](#); [Goykhman, M](#) and [Son, DT](#)
Apr 18 2016 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (4)
- In this paper we investigate properties of Chern-Simons theory coupled to massive fermions in the large N limit. We demons ... [Show more](#)
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- [References](#) **32**
-
- [Related records](#)
-
- 76 [Pseudo-gap phase and duality in a holographic fermionic system with dipole coupling on Q-lattice](#) **6**
Citations
- [Ling, Y](#); [Liu, P](#); (...); [Wu, JP](#)
Apr 2016 | [CHINESE PHYSICS C](#) 40 (4)
- We classify the different phases by the "pole-zero mechanism" for a holographic fermionic system which contains a dipole c ... [Show more](#)
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- 77 **Few cycle pulses in semi-holographic Fermi liquid with impurities**
[Belonenko, MB](#); [Konobeeva, NN](#) and [Galkina, EN](#)
 Mar 30 2016 | [MODERN PHYSICS LETTERS B](#) 30 (8) **18**
References
- Special aspects of few cycle pulses propagation in semi-holographic Fermi liquid with impurities are considered in this paper. ... [Show more](#)
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- 78 **Quantum Phase Transition between a Topological and a Trivial Semimetal from Holography**
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- We present a holographic model of a topological Weyl semimetal. A key ingredient is a time-reversal breaking parameter and : ... [Show more](#)
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References
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 Feb 12 2016 | [NEUROCOMPUTING](#) 177 , pp.342-362 **77**
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References
- ... [Related records](#)

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 Jan 25 2016 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (1) **44**
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References
- ... [Related records](#)

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 [DeWolfe, O](#); [Gubser, SS](#); (...); [Rosen, C](#)
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References



We calculate fermionic response in domain wall backgrounds of four-dimensional curved supergravity intercalated ... [Show more](#)

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315
References

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83 [Propagation of few cycle optical pulses in marginal Fermi liquid and ADS/CFT correspondence](#)

[Konobeeva, NN](#) and [Belonenko, MB](#)

Dec 1 2015 | [PHYSICA B-CONDENSED MATTER](#) 478, pp.43-46

The paper considers features of few cycle optical pulse propagation in marginal Fermi liquid. The Green functions whose poles are responsible for

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3
Citations

21
References

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84 [Scaling of the holo graphic AC conductivity for non-Fermi liquids at criticality](#)



[Kiritsis, E](#) and [Pena-Benitez, F](#)

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The frequency dependence of the AC conductivity is studied in a holographic model of a non-fermi liquid that is amenable to ... [Show more](#)

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We investigate the holographic fermionic phase transition induced by the effective impurity in holography, which is introduced by massless scalar

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17
Citations







44
References

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86

307



-   **Bekenstein-Hawking Entropy and Strange Metals** Citations
[Sachdev, S](#)
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 We examine models of fermions with infinite-range interactions that realize non-Fermi liquids with a continuously variable U (: ... [Show more](#) References
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-
- 87  **Massive 2-form field and holographic ferromagnetic phase transition** 7
[Cai, RG; Yang, RQ; \(...\); Zhang, CY](#)
 Nov 5 2015 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (11) **43**
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-
- 88  **Insulator/metal phase transition and colossal magnetoresistance in holographic model** 13
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 Within massive gravity, we construct a gravity dual for the insulator/metal phase transition and colossal magnetoresistar ... [Show more](#) References
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-
- 89  **Emergence in holographic scenarios for gravity** 27
[Dieks, D; van Dongen, J and de Haro, S](#)
 Nov 2015 | [STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS](#) 52 , pp.203-216 **56**
 'Holographic' relations between theories have become an important theme in quantum gravity research. These relations ... [Show more](#) References
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-
- 90  **Exciton-driven quantum phase transitions in holography** 5
[Gubankova, E; Cubrovic, M and Zaanen, J](#)
 Oct 28 2015 | [PHYSICAL REVIEW D](#) 92 (8) **63**
 We study phase transitions driven by fermionic double-trace deformations in gauge-gravity duality. References



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- 91 [Holographic model for antiferromagnetic quantum phase transition induced by magnetic field](#)



9
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31
References

[Cai, RG](#); [Yang, RQ](#) and [Kusmartsev, FV](#)

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- 92 [Entanglement entropy of magnetic electron stars](#)



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41
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[Albash, T](#); [Johson, CV](#) and [MacDonald, S](#)

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We study the behavior of the entanglement entropy in (2 + 1)-dimensional strongly coupled theories via the AdS/CFT corresponde ... [Show more](#)

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[Cai, RG](#); [Yang, RQ](#) and [Kusmartsev, FV](#)

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A holographic description on the antiferromagnetic quantum phase transition (QPT) induced by the magnetic field and the cr ... [Show more](#)

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- 94 [Ab initio holography](#)



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References

[Lunts, P](#); [Bhattacharjee, S](#); (...); [Lee, SS](#)

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 [Tomita, T](#); [Kuga, K](#); (...); [Nakatsuji, S](#) 32 References
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 A fundamental challenge to our current understanding of metals is the observation of qualitative departures fr ... [Show more](#)
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 [Jimenez-Alba, A](#); [Landsteiner, K](#); (...); [Sun, YW](#) 58 References
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 Jul 20 2015 | [MODERN PHYSICS LETTERS B](#) 29 (19)
 Dynamics of few cycle optical pulses in non-Fermi liquid was considered. Energy spectrum of non-Fermi liquid was taken from the AdS/CFT
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99 [Fermi surface behavior in the ABJM M2-brane theory](#) 18 Citations
 [DeWolfe, O](#); [Henriksson, O](#) and [Rosen, C](#) 102 References
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101



Introduction to holographic superconductor models

Cai, RG; Li, L; (...); Yang, RQ

Jun 2015 | SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY 58 (6)

In the last years it has been shown that some properties of strongly coupled superconductors can be potentially desc...

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170

Citations

238

References

Related records

102



Dynamically generated gap from holography in the charged black brane with hyperscaling violation

Kuang, XM; Papantonopoulos, E; (...); Wu, JP

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We holographically investigate the effects of a dipole coupling between a fermion field and a U(1) gauge field on the ...

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48

References

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103



Towards a field-theory interpretation of bottom-up holography

Jacobs, VPJ; Grubinskas, S and Stoof, HTC

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We investigate recent results for the electrical conductivity and the fermionic self-energy, obtained in a holograph...



4

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35

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104 [Magnetic oscillations in a holographic liquid](#) 1 Citation



[Puletti, VGM; Nowling, S; \(...\); Zingg, T](#)
 Apr 8 2015 | [PHYSICAL REVIEW D](#) 91 (8)

We present a holographic perspective on magnetic oscillations in strongly correlated electron systems via a f ... [Show more](#)

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35
References

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105 [Holographic superconducting quantum interference device](#) 8 Citations



[Takeuchi, S](#)
 Mar 30 2015 | [INTERNATIONAL JOURNAL OF MODERN PHYSICS A](#) 30 (9)

We present a holographic model of the SQUID (Superconducting QUantum Interference Device) in the external magneti ... [Show more](#)

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32
References

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106 [Quasilocal strange metal](#) 49 Citations



[Sur, S and Lee, SS](#)
 Mar 23 2015 | [PHYSICAL REVIEW B](#) 91 (12)

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43
References

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107 [Holographic Fermi surfaces at finite temperature in top-down constructions](#) 14 Citations



[Cosnier-Horeau, C and Gubser, SS](#)
 Mar 6 2015 | [PHYSICAL REVIEW D](#) 91 (6)

We calculate the two-point Green's functions of operators dual to fermions of maximal gauged supergravity in four anc ... [Show more](#)

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15
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42

[References](#)

We assess the prospects of using metamaterials for simulating various aspects of analogue gravity and holographic corresj ... [Show more](#)

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 109 [Fermionic response in a zero entropy state of N=4 super-Yang-Mills](#)
[DeWolfe, O; Gubser, SS and Rosen, C](#)Feb 26 2015 | [PHYSICAL REVIEW D](#) 91 (4)

12

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70

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We analyze fermionic response in the geometry holographically dual to zero-temperature N = 4 super-Yang-Mills theory ... [Show more](#)

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 110 [Coexistence and competition of ferromagnetism and p-wave superconductivity in holographic model](#)
[Cai, RG and Yang, RQ](#)Jan 6 2015 | [PHYSICAL REVIEW D](#) 91 (2)

24

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46

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[Khveshchenko, DV](#)2015 | [LITHUANIAN JOURNAL OF PHYSICS](#) 55 (3), pp.208-226

3

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122

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[Fang, LQ and Kuang, XM](#)2015 | [ADVANCES IN HIGH ENERGY PHYSICS](#) 2015

6

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We investigate the properties of the holographic Fermionic system dual to an anisotropic charged black brane bulk in Eins ... [Show more](#)

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113 [Duality between zeroes and poles in holographic systems with massless fermions and a dipole coupling](#) 14 Citations

 [Alsup, J; Papantonopoulos, E; \(...\); Yeter, K](#)
Dec 30 2014 | [PHYSICAL REVIEW D](#) 90 (12)


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114 [Holographic phase transition and quasinormal modes in Lovelock gravity](#) 9 Citations

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References

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- 118  [QCD and strongly coupled gauge theories: challenges and perspectives](#) **333**
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 [Brambilla, N; Eidelman, S; \(...\); Zakharov, VI](#)
 Oct 21 2014 | [EUROPEAN PHYSICAL JOURNAL C](#) 74 (10) **2,789**
References


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 [Chen, QJ](#) and [Wang, JB](#)
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 35
 References
- [Stricker, D](#); [Mravlje, J](#); (...); [van der Marel, D](#)
 Aug 22 2014 | [PHYSICAL REVIEW LETTERS](#) 113 (8)
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 77
 References
- [Davison, RA](#); [Goykhman, M](#) and [Parnachev, A](#)
 Jul 23 2014 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (7)
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 References
- [Jacobs, VPJ](#); [Vandoren, SJG](#) and [Stoof, HTC](#)
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- [Swingle, B](#); [Huijse, L](#) and [Sachdev, S](#)
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- Entanglement entropy is a useful probe of compressible quantum matter because it can detect the existence of I ... [Show more](#)
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137 [Holographic entanglement entropy of semi-local quantum liquids](#)



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We study the optical conductivity in a (2 + 1)-dimensional non-relativistic field theory holographically dual to ... [Show more](#)

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[Wu, JP](#)Jan 20 2014 | [PHYSICS LETTERS B](#) 728 , pp.450-456

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17

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52

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- 141 [A holographic model of SQUID](#)

[Cai, RG; Wang, YQ and Zhang, HQ](#)Jan 9 2014 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (1)

We construct a holographic model of superconducting quantum interference device(SQUID)in the Eir ... [Show more](#)

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11

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23

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[Das, T; Markiewicz, RS and Bansil, A](#)2014 | [ADVANCES IN PHYSICS](#) 63 (3) , pp.151-266

We review the intermediate coupling model for treating electronic correlations in the cuprates. Spectral signatures of tl ... [Show more](#)

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...

42

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470

[References](#)[Related records](#)

- 143 [Holographic fermions with running chemical potential and dipole coupling](#)

[Fang, LQ; Ge, XH and Kuang, XM](#)Dec 21 2013 | [NUCLEAR PHYSICS B](#) 877 (3) , pp.807-824

We explore the properties of the holographic fermions in extremal R-charged black hole background with a runr ... [Show more](#)

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...

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[Citations](#)

36

[References](#)[Related records](#)

- 144 [Quantum corrected phase diagram of holographic fermions](#)

[Medvedyeva, MV; Gubankova, E; \(...\); Zaanen, J](#)

5

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We study the phases of strongly correlated electron systems in two spatial dimensions in the framework of AdS(4)/CF ... [Show more](#)

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145 [Simulating analogue holography in flexible Dirac metals](#)



10

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43

References

We explore an apparent holography-like relationship between the bulk and boundary properties of non-interc ... [Show more](#)

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146 [Observation of Majorana quantum critical behaviour in a resonant level coupled to a dissipative environment](#)



43

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[Mebrahtu, HT](#); [Borzenets, IV](#); (...); [Finkelstein, G](#)

Nov 2013 | [NATURE PHYSICS](#) 9 (11) , pp.732-737

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References

A quantum phase transition is an abrupt change between two distinct ground states of a many-body system, driven by ... [Show more](#)

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[Torroba, G](#) and [Wang, HJ](#)

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We construct charged black branes in type IIA flux compactifications that are dual to (2 + 1)-dimensional field theor ... [Show more](#)

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[Edalati, M](#) and [Pedraza, JF](#)

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[Citations](#)

38

[References](#)[Related records](#) 150 [How to construct a gravitating quantum electron star](#)[Allais, A and McGreevy, J](#)Sep 17 2013 | [PHYSICAL REVIEW D](#) 88 (6)

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151



Charge transport by holographic Fermi surfaces

Faulkner, T; Iqbal, N; (...); Vegh, D
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We compute the contribution to the conductivity from holographic Fermi surfaces obtained from probe fermions in an Ac ... Show more

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Citations

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Probing holographic semilocal quantum liquids with D-branes

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We study dynamics of probe D-branes in (d + 2)-dimensional background with general semilocality. The backg ... Show more

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11

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34

References

Related records

153

Inflammatory factors gene polymorphism in recurrent oral ulceration

Sun, M; Fu, SM; (...); Wu, YM
Aug 2013 | JOURNAL OF ORAL PATHOLOGY & MEDICINE 42 (7) , pp.528-534

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9

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60

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 Jul 21 2013 | [CLASSICAL AND QUANTUM GRAVITY](#) 30 (14) 33 References
 We study the holographic non-relativistic fermions in the presence of the bulk dipole coupling in a charged d ... [Show more](#)
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 [Bao, N; Harrison, S; \(...\); Sachdev, S](#)
 Jul 8 2013 | [PHYSICAL REVIEW D](#) 88 (2) 48 References
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156 [A universal fermionic analogue of the shear viscosity](#) 7 Citations
 [Erdmenger, J and Steinfurt, S](#)
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157 [Friedel oscillations and horizon charge in 1D holographic liquids](#) 26 Citations
 [Faulkner, T and Iqbal, N](#)
 Jul 2013 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (7) 85 References
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[Li, HF](#)Jul 2013 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (7)

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159

The analytical treatments on the low energy behaviors of the holographic non-relativistic fermions**4**

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[Wu, JP](#)Jun 25 2013 | [PHYSICS LETTERS B](#) 723 (4-5), pp.448-454

We investigate the low energy behaviors around the Fermi surface at the non-relativistic fixed points and give some cl ... [Show more](#)

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160

Stripe instabilities of geometries with hyperscaling violation**16**

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[Iizuka, N](#) and [Maeda, K](#)Jun 10 2013 | [PHYSICAL REVIEW D](#) 87 (12)

We study the dynamical stripe instabilities on the geometries with hyperscaling violation in the IR, which asymptotically aj ... [Show more](#)

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161

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[Seo, Y](#); [Sin, SJ](#) and [Zhou, Y](#)Jun 10 2013 | [PHYSICS LETTERS B](#) 723 (1-3), pp.207-212

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162

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[Seo, Y](#); [Sin, SJ](#) and [Zhou, Y](#)Jun 2013 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (6)**36**

References



We investigate fermion self energy problem in the strongly coupled dense medium in holographic approach. By working o ... [Show more](#)

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...

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163 [Fermi-like liquid from Einstein-DBI-dilaton system](#)



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[Wu, JP](#)

Apr 2013 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (4)

We report a dynamical formation of a gap from holographic fermions with dipole coupling on charged Lifshitz backgr ... [Show more](#)

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165 [Holographic models for undoped Weyl semimetals](#)



[Gursoy, U](#); [Jacobs, V](#); (...); [Vandoren, S](#)

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166 [A novel mechanism to generate FFLO states in holographic superconductors](#)



[Alsup, J](#); [Papantonopoulos, E](#) and [Siopsis, G](#)

Mar 26 2013 | [PHYSICS LETTERS B](#) 720 (4-5), pp.379-384

We discuss a novel mechanism to set up a gravity dual of FFLO states in strongly coupled superconductors. The g ... [Show more](#)

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Citations

39

References

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Citations

[Wu, JP](#)
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168 [Semi-local quantum criticality in string/M-theory](#) 17
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 [Donos, A; Gauntlett, JP and Pantelidou, C](#)
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169 [Entangled dilaton dyons](#) 22
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 [Kundu, N; Narayan, P; \(...\); Trivedi, SP](#)
Mar 2013 | [JOURNAL OF HIGH ENERGY PHYSICS](#) (3)

Einstein-Maxwell theory coupled to a dilaton is known to give rise to extremal solutions with hyperscaling violation. ... [Show more](#)

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170 [Holographic fermions in charged dilaton black branes](#) 18
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 [Li, WJ and Wu, JP](#)
Feb 21 2013 | [NUCLEAR PHYSICS B](#) 867 (3) , pp.810-826

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171 [STRANGE METALS AND HOLOGRAPHIC ENTANGLEMENT ENTROPY](#) 1
Citation

[Takayanagi, I](#)
Feb 10 2013 | [INTERNATIONAL JOURNAL OF MODERN PHYSICS A](#) 28 (3-4)

41
References



In this paper, we will explain an application of holographic entanglement entropy to Fermi surface physics. These holographic arguments

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[Gorsky, A](#) and [Zayakin, AV](#)

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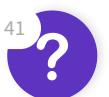
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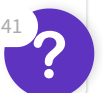
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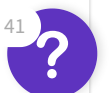
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[OF PHYSICS](#) 59 (7-8) , pp.723-729

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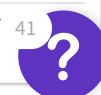
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Strange Metal Transport Realized by Gauge/Gravity Duality

Faulkner, T; Iqbal, N; Vegh, D
Aug 27 2010 | SCIENCE 329 (5995), pp.1043-1047

Fermi liquid theory explains the thermodynamic and transport properties of most metals. The so-called non-Fermi liquid ... Show more

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Basu, P; He, JY; Shieh, HH
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[Fratini, M](#); [Poccia, N](#); (...); [Bianconi, A](#)
 Aug 12 2010 | [NATURE](#) 466 (7308), pp.841-844

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 We study the fermionic spectral function in a holographic superconductor model. At zero temperature, there is no ... [Show more](#)
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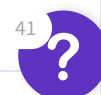
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- Amer Chemical Soc 2
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Editorial Notices

Editors

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- 1 **Exploring Free-Energy Landscapes of Intrinsically Disordered Proteins at Atomic Resolution Using NMR Spectroscopy** 170 Citations 300 References
- [Jensen, MB; Zweckstetter, M; \(-\); Backledge, M](#)
Jul 9 2014 | [CHEMICAL REVIEWS](#) 114 (13), pp.6632-6660
- [Full Text at Publisher](#) ***
-
- 2 **Quantitative thermodynamic model for globular protein folding** 1 Citation 69 References
- [Yakubovich, AV and Solov'yov, AV](#)
Jun 23 2014 | [EUROPEAN PHYSICAL JOURNAL D](#) 68 (6)
- We present a statistical mechanics formalism for theoretical description of the process of protein folding <-> unfolding transition in water environment. The formalism is based on the construction of the partition function of a protein obeying two-stage-like folding kinetics. Using the statistical mechanics model of solvation of hydrophobic hydrocarbons we obtain the partition function of infin ... [Show more](#)
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- 3 **Investigation of the Polymeric Properties of alpha-Synuclein and Comparison with NMR Experiments: A Replica Exchange Molecular Dynamics Study** 26 Citations 96 References
- [Narayanan, C; Weinstock, DS; \(-\); Levy, RM](#)
Oct 2012 | [JOURNAL OF CHEMICAL THEORY AND COMPUTATION](#) 8 (10), pp.3929-3942
- Intrinsically disordered proteins (IDPs) have been shown to be involved in a number of cellular functions, in addition to their predominance in diseased states. alpha-Synuclein may be described as one such IDP, implicated in the pathology of Parkinson's disease. Understanding the conformational characteristics of the monomeric state of alpha-synuclein is necessary for understanding the role of ... [Show more](#)
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4th International Symposium on Atomic Cluster Collisions (ISACC 2009)
2009 | ISACC 2009: FOURTH INTERNATIONAL SYMPOSIUM ON ATOMIC CLUSTER COLLISIONS 1197, pp.186-200
- We present a statistical mechanics formalism for the theoretical description of the process of protein folding <-> unfolding transition in water environment. The presented formalism is based on the construction of the partition function of a protein obeying two-stage-like folding kinetics. Then, using the statistical mechanics model of solvation of hydrophobic hydrocarbons we obtain the partiti ... [Show more](#)
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Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ,
НАУКЕ И ТЕХНОЛОШКОГ РАЗВОЈА

Број: 612-01-02635/2016-06

Датум: 09.01.2017. године

Немањина 22-26

Београд

ЈК

На основу члана 105б. став 4. Закона о високом образовању („Службени гласник РС”, бр. 76/05, аутентично тумачење – 100/07, 97/08, 44/10, 93/12, 89/13, 99/14, 45/15 – аутентично тумачење и 68/15), члана 192. став 1. Закона о општем управном поступку („Службени гласник СРЈ”, бр. 33/97 и 31/01. „Службени гласник РС”, број 30/10) и члана 23. став 2. Закона о државној управи („Службени гласник РС”, бр. 79/05, 101/07, 95/10 и 99/14), решавајући по захтеву Михаила Чубровића из Београда, Република Србија, за признавање високошколске исправе издате у Краљевини Холандији, ради запошљавања,

министар просвете, науке и технолошког развоја доноси

РЕШЕЊЕ

Диплома коју је 27.02.2013. године на име Михаило Чубровић издао Универзитет у Лајдену (Universiteit Leiden), Лајден, Краљевина Холандија, о завршеним докторским академским студијама, студијски програм: Физика, звање/квалификација: Doctor, **признаје се** као диплома докторских академских студија трећег степена високог образовања (180 ЕСПБ), у оквиру образовно-научног поља Природно-математичких наука, научна, односно стручне области Физичке науке, ради запошљавања.

Ово решење омогућава имаоцу општи приступ тржишту рада у Републици Србији, али га не ослобађа од испуњавања посебних услова за бављење професијама које су регулисане законом или другим прописом.

Образложење

Овом министарству обратило се Михаило Чубровић из Београда, Република Србија захтевом за признавање дипломе Универзитета у Лајдену (Universiteit Leiden), Лајден, Краљевина Холандија, о завршеним докторским академским студијама, студијски програм: Физика, звање/квалификација: Doctor, ради запошљавања.

Уз захтев, подносилац захтева доставио је:

- 1) оверену копију дипломе издате 27.02.2013. године, коју је издао Универзитет у Лајдену (Universiteit Leiden), Лајден, Краљевина Холандија, студије трећег степена високог образовања (180 ЕСПБ), студијски програм : Физика, звање/квалификација: Doctor,
- 2) оверени превод дипломе са латинског на енглески и са енглеског на српски језик,
- 3) апстракт рада на енглеском језику,
- 4) примерак докторске дисертације на изворном језику,
- 5) радну биографију и листу радова на енглеском језику,
- 6) пријавни формулар и
- 7) доказ о уплати таксе за професионално признавање.

Чланом 105 б. став 4. прописано је да Министар доноси решење о професионалном признавању у року од 90 дана од дана пријема уредног захтева.

Одредбама члана 192. Закона о општем управном поступку прописано је да на основу одлучних чињеница утврђених у поступку орган надлежан за решавање доноси решење у управној ствари која је предмет поступка.

Одредбама члана 23. став 2. Закона о државној управи прописано је да Министар представља Министарство, доноси прописе и решења у управним и другим појединачним стварима и одлучује о другим питањима из делокруга Министарства.

Чланом 104. став 1. Закона о високом образовању, прописано је да признавање стране високошколске исправе јесте поступак којим се имаоцу те исправе утврђује право на наставак образовања, односно на запошљавање. Поступак признавања стране високошколске исправе спроводи се у складу са одредбама овог закона, ако међународним уговором није предвиђено другачије.

Сходно одредбама члана 105. став 1. и 6. Закона о високом образовању и васпитању, ENIC/NARIC центар при Министарству просвете, науке и технолошког развоја, прибавио је релевантне информације о студијском програму на ком је стечена диплома из става 2. тачка 1) образложења овог решења.

У складу са чланом 105. став 4. Закона о високом образовању, комисија коју је именовао министар извршила је прво вредновање студијског програма на коме је стечена диплома из става 2. тачка 1) образложења овог решења, и дала предлог за признавање дипломе ради запошљавања.

Подносилац захтева је доставио доказ о уплати таксе у складу са чланом 2. став 1. Правилника о висини таксе за професионално признавање страних високошколских исправа („Службени гласник РС”, број 83/2015).

Имајући у виду наведено, решено је као у диспозитиву овог решења.

Упутство о правном средству: Ово решење је коначно у управном поступку и против истог може се покренути управни спор. Тужба се подноси Управном суду у року од 30 дана од дана пријема овог решења.

Решење доставити:

– Михаило Чубровић, ул. Мирослава Јовановића бр. 7/2, 11160 Београд и*

– Архива.

МИНИСТАР

Младен Шарчевић



Република Србија
МИНИСТАРСТВО ПРОСВЕТЕ,
НАУКЕ И ТЕХНОЛОШКОГ РАЗВОЈА
Комисија за стицање научних звања

Број: 660-01-00006/213
29.11.2017. године
Београд

ИНСТИТУТ ЗА ФИЗИКУ			
ПРИМЉЕНО: 27-12-2017			
Рад.јед.	б р о ј	Арх.шифра	Прилог
080/	1897/1		

На основу члана 22. став 2. члана 70. став 4. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05, 50/06 – исправка, 18/10 и 112/15), члана 3. ст. 1. и 3. и члана 40. Правилника о поступку, начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 24/16, 21/17 и 38/17) и захтева који је поднео

Инстѿиѿуѿ за физику у Београду

Комисија за стицање научних звања на седници одржаној 29.11.2017. године, донела је

**ОДЛУКУ
О СТИЦАЊУ НАУЧНОГ ЗВАЊА**

Др Михаило Чубровић

стиче научно звање
Научни сарадник

у области природно-математичких наука - физика

О Б Р А З Л О Ж Е Њ Е

Инстѿиѿуѿ за физику у Београду

утврдио је предлог број 383/1 од 21.03.2017. године на седници Научног већа Института и поднео захтев Комисији за стицање научних звања број 406/1 од 28.03.2017. године за доношење одлуке о испуњености услова за стицање научног звања *Научни сарадник*.

Комисија за стицање научних звања је по претходно прибављеном позитивном мишљењу Матичног научног одбора за физику на седници одржаној 29.11.2017. године разматрала захтев и утврдила да именовани испуњава услове из члана 70. став 4. Закона о научноистраживачкој делатности ("Службени гласник Републике Србије", број 110/05, 50/06 – исправка, 18/10 и 112/15), члана 3. ст. 1. и 3. и члана 40. Правилника о поступку, начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача ("Службени гласник Републике Србије", број 24/16, 21/17 и 38/17) за стицање научног звања *Научни сарадник*, па је одлучила као у изреци ове одлуке.

Доношењем ове одлуке именовани стиче сва права која му на основу ње по закону припадају.

Одлуку доставити подносиоцу захтева, именованом и архиви Министарства просвете, науке и технолошког развоја у Београду.

ПРЕДСЕДНИК КОМИСИЈЕ
С. Стошић-Грујић
Др Станислава Стошић-Грујић,
научни саветник

МИНИСТАР
Младен Шарчевић
Младен Шарчевић