

Životopis/Popis publikacija i predavanja

OSOBNI PODACI

Ime i prezime	KORNELIJA PASSEK-KUMERIČKI
Titula	Dr. sc.
Godina i ustanova stjecanja titule	2001, PMF, Sveučilište u Zagrebu
Adresa	Bijenička c. 54
Telefon	+385-1-4561032
Telefaks	+385-1-4680223
E-adresa	passek@irb.hr
Osobna web stranica	http://www.irb.hr/Ljudi/Kornelija-Passek-Kumericki
Državljanstvo/nacional.	Hrvatsko / Hrvatica
Datum i mjesto rođenja	19.04.1970., Zagreb
Roditelji	Ivan i Olga Passek
Obiteljsko stanje	udata; suprug Krešimir Kumerički
Djeca	troje djece: sin Luka (2004.), kći Kaja (2008.), sin Neo (2012.)

ŠKOLOVANJE

Godina	2001
Institucija	PMF, Sveučilište u Zagrebu
Zvanje	Dr. sc.
Radnja	" <i>Primjena perturbativne kvantne kromodinamike na određivanje funkcije strukture piona</i> ", ("The application of the perturbative QCD to the pion form factor"), mentor: dr. Bene Nižić (Ruđer Bošković Institute, Zagreb)
Godina	1997
Institucija	PMF, Sveučilište u Zagrebu
Zvanje	Mr. Sc.
Radnja	" <i>Ekskluzivna fotoprodukcija K I K* mezona pri velikim prijenosima impulsa</i> " ("Exclusive photoproduction of K and K* mesons at large momentum transfer"), mentor: dr. Bene Nižić (Ruđer Bošković Institute, Zagreb)
Godina	1994
Institucija	PMF, Sveučilište u Zagrebu
Zvanje	Dipl. Ing. fizike
Radnja	" <i>The computer-algebraic treatment of the hard exclusive reactions</i> " ("Kompjutersko algebarska obrada tvrdih ekskluzivnih reakcija"), mentori: dr. Wolfgang Schweiger (Karl-Franzens Universitaet Graz), dr. Miroslav Furić (University of Zagreb)
Godina	1988 - 1994
Institucija	PMF, Sveučilište u Zagrebu
Školovanje	Studij (teorijske) fizike na Prirodoslovno-matematičkom fakultetu (PMF) u Zagrebu
Godina	1984 - 1988
Institucija	Matematičko-informatički obrazovni centar (MIOC), Zagreb
Školovanje	Srednja škola (gimnazija) s maturom

USAVRŠAVANJE

Godina	1994-1996
Institucija	PMF, Sveučilište u Zagrebu
Opis	Postdiplomski studij

JEZICI

MATERINSKI JEZIK	hrvatski
Jezik	engleski
Govor/Pisanje/Čitanje	<i>izvrsno/izvrsno/izvrsno</i>
Jezik	njemački
Govor/Pisanje/Čitanje	<i>izvrsno/izvrsno/izvrsno</i>
Jezik	francuski
Govor/Pisanje/Čitanje	<i>osnovno/osnovno/osnovno</i>

RADNO ISKUSTVO

Datumi (od-do)	05/2005 -do danas
Ustanova zaposlenja	Institut Ruđer Bošković (IRB), Zagreb
Naziv radnog mjesta	Znanstveni suradnik
Područje rada	<i>Teorijska fizika elementarnih čestica</i>
Datumi (od-do)	09/2005 – 01/2007
Ustanova zaposlenja	University of Regensburg, Germany
Naziv radnog mjesta	Gostujući znanstvenik
Područje rada	<i>Teorijska fizika elementarnih čestica</i>
Datumi (od-do)	11/2001 – 10/2002
Ustanova zaposlenja	University of Wuppertal, Germany
Naziv radnog mjesta	Znanstvenik, postdoktorand
Područje rada	<i>Teorijska fizika elementarnih čestica</i>
Datumi (od-do)	04/2001 – 05/2005
Ustanova zaposlenja	Institut Ruđer Bošković (IRB), Zagreb
Naziv radnog mjesta	Asistent s doktoratom
Područje rada	<i>Teorijska fizika elementarnih čestica</i>
Datumi (od-do)	03/1994 – 04/2001
Ustanova zaposlenja	Institut Ruđer Bošković (IRB), Zagreb
Naziv radnog mjesta	Znanstveni novak
Područje rada	<i>Teorijska fizika elementarnih čestica</i>

PODRUČJE ISTRAŽIVANJA

Teorijska fizika elementarnih čestica

Glavne teme istraživanja:

- istraživanje ekskluzivnih procesa i primjena (perturbativne) kvantne kromodinamike pri velikim momentima prijenosa
- fenomenologija nekomutativnog Standardnog modela fizike elementarnih čestica

GOSTOVANJA NA STRANIM ZNANSTVENIM INSTITUCIJAMA

(SAMO BORAVCI DUŽI OD 3 MJESECA)

Datumi (od – do)	02/2010 – 06/2010
Institucija	University of Regensburg, Germany
Opis	Gost znanstvenik
Datumi (od – do)	09/2005 – 01/2007
Institucija	University of Regensburg, Germany
Opis	Gost znanstvenik
Datumi (od – do)	01/11/2001 – 31/10/2002
Institucija	University of Wuppertal, Germany
Opis	Znanstvenik (postdoktoralna pozicija)
Datumi (od – do)	03/1994 – 05/1994
Institucija	Institut fur Theoretische Physik, Karl Franzens Universitaet, Graz, Austria
Opis	Znanstvena suradnja (austrijska stipendija)
Datumi (od – do)	03/1993 – 06/1993
Institucija	Institut fuer Theoretische Physik, Karl Franzens Universitaet, Graz, Austria
Opis	Izrada diplomskog rada (austrijska stipendija)

2016 – 2019

Voditelj projekta (Dec 2016 – Jan 2018), suvoditelj projekta i voditelj radnih paketa
Obzor2020 (Širenje izvrsnosti i sudjelovanja) projekta:
*RBI-T-WINNING: Twinning a step forward of the Theoretical Physics Division
of the Ruđer Bošković Institute, H2020 project (EU H2020 CSA-2015 number 692194)*

Voditelji projekta: Fabrizio Nesti (Feb 2016 - Nov 2016)
Kornelija Passek-Kumerički (Dec 2016 - Jan 2018)
Vinko Zlatić (Feb 2018 – Jan 2019)

Institucije partneri:
RBI (institucija koordinator), SISSA (Italy), LPT Orsay (France),
Ludwig Maximilian University (Germany), Niels Bohr Institute (Denmark)

2008 – 2011

Sudionik na istraživačkom projektu:
Revealing Generalized Parton Distributions, DFG projekt;
Glavni istraživači: Prof. Dr. Maxim Polyakov (Uni. Bochum),
Dr. sc. Krešimir Kumerički (Uni. Zagreb);
Ostali lokalni sudionici: Dr.sc. Kornelija Passek-Kumerički

2005 – 2010

Sudionik na istraživačkom projektu:
QCD sum rules for exclusive decays of heavy hadrons;
Međuinstitutska suradnje (IRB i Uni Siegen) financirana od
Alexander von Humboldt fondacije;
Glavni istraživači: Dr. sc. Blaženka Melić
Prof. dr. Thomas Mannel (Uni. Siegen);
Ostali lokalni sudionici: Dr. sc. Goran Duplančić, Dr.sc. Kornelija Passek-Kumerički

2003 – 2005

Glavni istraživač na istraživačkom projektu:
Higher-order QCD corrections in exclusive processes - mesons and baryons,
DFG projekt (436 KRO 113/6/0-1);
Glavni istraživači: Prof. Dr. Klaus Goeke (Uni. Bochum),
Dr. sc. Kornelija Passek-Kumerički;
Ostali lokalni sudionici: Dr. sc. Goran Duplančić, Dr. sc. Bene Nižić

2003 – 2006

Glavni istraživač na istraživačkom projektu:
Hard exclusive photo- and electroproduction of heavy quarkonium,
Austrijsko-hrvatski bilateralni projekt;
Glavni istraživači: Dr. sc. Kornelija Passek-Kumerički,
Prof. Dr. Wolfgang Schweiger (Karl-Franzens Uni. Graz);
Ostali lokalni sudionici: Dr. sc. Blaženka Melić

DOMAĆI ZNANSTVENI PROJEKTI
(VOĐENJE I SUDJELOVANJE)

2014 - 2018

Sudionik na istraživačkom projektu:

Physics of the Standard Model and Beyond; HRZZ projekt (HrZZ 5169)

Voditelj projekta: Dr. sc. Blaženka Melić

2007 – 2013

Sudionik na istraživačkom projektu:

Fundamental interactions in elementary particle physics and cosmology;

MZOŠ projekt (098-0982930-2864)

Voditelj projekta: Dr. sc. Branko Guberina (2007-2011),

Dr. sc. Nevenko Bilić (2012), Dr. sc. Goran Duplančić (2013)

2001 – 2006

Sudionik na istraživačkom projektu:

Fundamental interactions in elementary particle physics and cosmology;

MZT projekt (0098002)

Voditelj projekta: Dr. sc. Branko Guberina

1998 – 2000

Voditelj projekta:

Ekskluzivni procesi u kvantnoj kromodinamici; poticajni projekt MZTa projekt (098463)

1996 – 2001

Sudionik na istraživačkom projektu:

Theoretical research of elementary particle properties; MZT projekt (00980102)

Voditelj projekta: Dr. sc. Branko Guberina

1994 – 1996

Sudionik na istraživačkom projektu:

Theoretical physics of fundamental interactions; MZT projekt (1-03-199, P009801)

Voditelj projekta: Dr. sc. Nikola Zovko, Dr. sc. Branko Guberina

ORGANIZACIJA DOMAĆIH I MEĐUNARODNIH ZNANSTVENIH DOGAĐANJA

- 2018 član Organizacijskog odbora međunarodnog skupa
"Getting to Grips with QCD-Summer Edition",
Primošten, Hrvatska, 18-22 September 2018
- 2018 član Organizacijskog odbora međunarodne škole
"QCD meets precision",
LPT Orsay, France, 18-22 June 2018
- 2018 član Organizacijskog odbora međunarodnog skupa
"Getting to Grips with QCD",
Paris, France, 4-6 April 2018
- 2016 član Organizacijskog odbora međunarodnog skupa
ACHT 2016, "Non-perturbative aspects of Quantum Field Theory",
Čakovec, Croatia, 5-7 October 2016
- 2016 član Organizacijskog odbora međunarodne škole
"Dense systems in QCD at asymptotical energies",
LPT Orsay, France, 20 June-1 July 2016
- 2014 ko-predsjedavajući (co-chair) međunarodnog skupa
International Workshop on Diffraction in High-Energy Physics
"Diffraction 2014", Primošten, 10.-16.09.2014.
- 2009 član Organizacijskog odbora međunarodnog skupa
"Progress and Challenges in Particle Physics",
Primošten, 29.09. - 03.10. 2009
- 2001 član Organizacijskog odbora međunarodnog skupa
8th Adriatic Meeting "Particle Physics in the new millenium",
Dubrovnik, 4-14.09.2001

ČLANSTVA U ZNANSTVENIM ORGANIZACIJAMA

Član Hrvatskog fizikalnog društva

NASTAVA

- 2015 - 2017
vježbe iz Kvantne fizike, PMF, Sveučilište u Zagrebu
- 2006 – 2007 (zimski semestar)
vježbe iz *Math. Ergänzugen in der Physik*, Uni. Regensburg, Germany
- 2005 – 2006 (ljetni semestar)
vježbe iz *Struktur der Materie(III)*, Uni. Regensburg, Germany

RAD S MLADIM ZNANSTVENICIMA

2010-2012: suradnja s doktorandom T. Lautenschlaeger (Uni. Regensburg, Germany); objavljen zajednički članak (D. Mueller, T. Lautenschlaeger, K. Passek-Kumericki, A. Schaefer, Nucl. Phys. B884 (2014) 438-546); doktorska disertacija T. Lautenschlaeger 2014.

2006-2008: suradnja s doktorandom G. Peters (Uni. Regensburg, Germany); objavljen zajednički članak (K. Passek-Kumericki, G. Peters, Phys. Rev. D78 (2008) 033009); G. Peters obranio doktorsku disertaciju u srpnju 2008.

DRUGE ZNANSTVENE DJELATNOSTI

Referiranje za Fizika B, Eur.Phys.J C
Ocjenjivanje HRZZ projekata

RAD NA RAČUNALU

Operacioni sistemi: Unix (Linux), MS Windows
Programiranje: Fortran
Software: Mathematica, MS Office

Članci u CC časopisima

- [1] P. Kroll, K. Passek-Kumericki, "On some implications of the BaBar data on the $\gamma^* \rightarrow \eta'$ transition form factor", Phys. Lett. B793 (2019) 195-199 [[arXiv:1903.06650](#) [[hep-ph](#)]].
- [2] G. Duplancic, K. Passek-Kumericki, B. Pire, L. Szymanowski, S. Wallon, "Probing axial quark generalized parton distributions through exclusive photoproduction of a $\gamma\pi\pi$ pair with a large invariant mass", JHEP 1811 (2018) 179, [[arXiv:1809.08104](#) [[hep-ph](#)]].
- [3] P. Kroll, K. Passek-Kumericki, "Twist-3 contributions to wide-angle photoproduction of pions", Phys. Rev. D97 (2018) 074023 [[arXiv:1802.06597](#) [[hep-ph](#)]].
- [4] G. Duplancic, D. Mueller, K. Passek-Kumericki, "Next-to-leading order corrections to deeply virtual production of pseudoscalar mesons", Phys. Lett. B771 (2017) 603-610, [[arXiv:1612.01937](#) [[hep-ph](#)]].
- [5] D. Mueller, T. Lautenschlager, K. Passek-Kumericki, A. Schaefer, "Towards a fitting procedure to deeply virtual meson production – the next-to-leading order case –", Nucl.Phys. B884 (2014) 438-546, [[arXiv:1310.5394](#) [[hep-ph](#)]].
- [6] Peter Kroll, Kornelija Passek-Kumericki, "The η (η') gamma transition form factor and the gluon–gluon distribution amplitude", J.Phys. G40 (2013) 075005, [[arXiv:1206.4870](#) [[hep-ph](#)]].
- [7] K. Passek-Kumericki, G. Peters, "Nucleon Form Factors to Next-to-Leading Order with Light-Cone Sum Rules", Phys. Rev. D78 (2008) 033009, [[arXiv:0805.1758](#) [[hep-ph](#)]].
- [8] Kresimir Kumericki, Dieter Mueller, Kornelija Passek-Kumericki, "Sum rules and dualities for generalized parton distributions: Is there a holographic principle?", Eur. Phys. J C58 (2008) 193-215, [[arXiv:0805.0152](#) [[hep-ph](#)]].
- [9] K. Kumericki, D. Mueller, K. Passek-Kumericki, "Towards a fitting procedure for deeply virtual Compton scattering at next-to-leading order and beyond", Nucl. Phys. B 794 (2008) 244-323, [[arXiv:hep-ph/0703179](#)].
- [10] K. Kumericki, Dieter Mueller, K. Passek-Kumericki, A. Schaefer "Deeply virtual Compton scattering beyond next-to-leading order: the flavor singlet case", Phys. Lett. B 648 (2007); 186-194 [[arXiv:hep-ph/0605237](#)].
- [11] Blazenka Melic, Kornelija Passek-Kumericki, Josip Trampetic "K \rightarrow pi gamma decay and space-time noncommutativity", Phys.Rev.D72 (2005) 057502 [[arXiv:hep-ph/0507231](#)].
- [12] Blazenka Melic, Kornelija Passek-Kumericki, Josip Trampetic "Quarkonia decays into two photons induced by the space-time non-commutativity", Phys.Rev.D72 (2005) 054004 [[arXiv:hep-ph/0503133](#)].
- [13] Blazenka Melic, Kornelija Passek-Kumericki, Josip Trampetic, Peter Schupp, Michael Wohlgenannt "The Standard model on non-commutative space-time: Strong interactions included", Eur.Phys.J.C42 (2005) 499-504 [[arXiv:hep-ph/0503064](#)].
- [14] Blazenka Melic, Kornelija Passek-Kumericki, Josip Trampetic, Peter Schupp, Michael Wohlgenannt "The Standard model on non-commutative space-time: Electroweak currents and Higgs sector", Eur.Phys.J.C42 (2005) 483-497 [[arXiv:hep-ph/0502249](#)].
- [15] A. P. Bakulev, K. Passek-Kumericki, W. Schroers, N. G. Stefanis, "Pion form factor in QCD: From nonlocal condensates to NLO analytic perturbation theory", Phys.Rev.D70 (2004) 033014 [[arXiv:hep-ph/0405062](#)].
- [16] H.W. Huang, R. Jakob, P. Kroll, K. Passek-Kumericki, "Signatures of the handbag mechanism in wide-angle photoproduction of pseudoscalar mesons", Eur.Phys.J. C33 (2004) 91-103 [[arXiv:hep-ph/0309071](#)].
- [17] B. Melic, D. Muller, K. Passek-Kumericki, "Next-to-next-to-leading order prediction for the photon-to-pion transition form factor", Phys. Rev. D 68 (2003) 014013 [[arXiv:hep-ph/0212346](#)].
- [18] Peter Kroll, Kornelija Passek-Kumericki, "The two-gluon components of the eta and eta' mesons to leading-twist accuracy", Phys. Rev. D 67 (2003) 054017 [[arXiv:hep-ph/0210045](#)].
- [19] B. Melic, B. Nizic, K. Passek, "A note on the factorization scale independence of the PQCD predictions for exclusive processes", Eur.Phys.J.C36 (2004) 453-458 [[arXiv:hep-ph/0107311](#)].
- [20] B. Melic, B. Nizic, K. Passek, "Brodsky-Lepage-Mackenzie scale for the pion transition form factor", Phys. Rev. D 65 (2002) 053020 [[arXiv:hep-ph/0107295](#)].
- [21] B. Melic, B. Nizic, K. Passek, "Complete next-to-leading order perturbative QCD prediction for the pion electromagnetic form factor", Phys. Rev. D60 (1999) 074004 [[arXiv:hep-ph/9802204](#)].
- [22] P. Kroll, M. Schuermann, K. Passek, W. Schweiger, "Exclusive Photoproduction of Large Momentum-Transfer K and K* Mesons", Phys. Rev. D55 (1997) 4315 [[arXiv:hep-ph/9604353](#)].

Članci u ostalim časopisima

- [23] A.T. Goritschnig, B. Melic, K. Passek-Kumericki, W. Schweiger, "Hard Exclusive Photoproduction of Φ and J/Ψ Mesons", Prog. Part. Nucl. Phys.61 (2008) 173-174, [[arXiv:0711.3973 \[hep-ph\]](#)].
- [24] K. Passek-Kumericki, "Hard exclusive reactions and the two-gluon components of η and η' mesons", Fizika B13 (2004) 513-522 [[arXiv:hep-ph/0311039](#)].
- [25] B. Melic, B. Nizic, K. Passek, "On the complete next-to-leading order pQCD prediction for the pion form factor", Fizika B 8 (1999) 327 [[arXiv:hep-ph/9903426](#)].

ČLANCI U ZBORNICIMA

1. A.T. Goritschnig, B. Melic, K. Passek-Kumericki, W. Schweiger, "Hard Exclusive Φ and J/Ψ Photoproduction off a Proton", Proceedings of Science DIS2014 170, [[arXiv:1411.0904\[hep-ph\]](#)].
2. K. Kumericki, D. Mueller, K. Passek-Kumericki, A. Schaefer, M. Meskauskas. "Accessing GPDs from experiment — potential of a high-luminosity EIC —", The EIC Science case: a report on the joint BNL/INT/JLab program "Gluons and the quark sea at high energies: distributions, polarization, tomography", Seattle, Washington, September 13 to November 19, 2010 / Boer, D. ; Diehl, M. ; Milner R. ; Venugopalan, R. ; Vogelsang W. (ur.). - Published by: Brookhaven National Laboratory, USA ; Institute of Nuclear Theory, University of Washington, USA ; Thomas Jefferson National Accelerator Facility, USA ; August 2011 (BNL-96164-2011, INT-PUB-11-034, JLAB-THY-11-1373) , 2011. 185-196. [[arXiv:1105.0899 \[hep-ph\]](#)].
3. K. Kumericki, D. Mueller, K. Passek-Kumericki, "A partonic interpretation of DVCS at small $x(Bj)$ ", in AIP Conf.Proc.1105 (2009) 367-372, prepared for Diffraction 2008: International Workshop on Diffraction in High Energy Physics, La Londe-les-Maures, France, 9-14 Sep 2008.
4. K. Kumericki, D. Mueller, K. Passek-Kumericki, "Fitting DVCS amplitude in momentum-space approach to GPDs", Proc. of the XVI International Workshop on Deep-Inelastic Scattering and Related Topics (DIS 2008), London, England, 7-11 April 2008 (edited by R. Devenish, J. Ferrando), p. 98. [[arXiv:0807.0159 \[hep-ph\]](#)].
5. K. Kumericki, D. Mueller, K. Passek-Kumericki, "GPD sum rules: A Tool to reveal the quark angular momentum", Proc. of the XVI International Workshop on Deep-Inelastic Scattering and Related Topics (DIS 2008), London, England, 7-11 April 2008 (edited by R. Devenish, J. Ferrando), p. 214-217. [[arXiv:0807.0170 \[hep-ph\]](#)].
6. K. Kumericki, D. Mueller, K. Passek-Kumericki, "Fitting DVCS at NLO and beyond", Proc. of the 12th International Conference on Elastic and Diffractive Scattering: Forward Physics and QCD, Hamburg, DESY, Germany, 21-25 May 2007 (edited by J. Bartels, K. Borras, M. Diehl, H. Jung; Verlag Deutsches Elektronen-Synchrotron, 2007), p. 17-25. [[arXiv:0710.5649 \[hep-ph\]](#)].
7. N. G. Stefanis, A. P. Bakulev, S. V. Mikhailov, K. Passek-Kumericki, W. Schroers, "Pion structure: From nonlocal condensates to NLO analytic perturbation theory", Proc. of the Workshop on Hadron Structure and QCD: From Low to High Energies (HSQCD 2004), St. Petersburg, Repino, Russia, 18-22 May 2004. [[arXiv:hep-ph/0409176](#)].
8. K. Passek-Kumericki, "Hard exclusive processes and higher-order QCD corrections", in the Proc. of the 9th Adriatic Meeting "Particle Physics and the Universe", Dubrovnik, Croatia, 4-14 September 2003 (edited by J. Trampetic, J. Wess; Springer-Verlag, 2004), p. 399-414 [[arXiv:hep-ph/0407122](#)].
9. K. Passek, "Leading-twist two gluon distribution amplitude and exclusive processes involving η and η' mesons", in Proc. of the JLab workshop on Exclusive Processes at High Momentum Transfer, Jefferson Lab, Newport News, Virginia, USA, 15-18 May, 2002: Newport News 2002, Exclusive Processes at High Momentum Transfer (edited by A. Radyushkin, P. Stoler; Singapore, World Scientific, 2002.), p. 136-141 [[arXiv:hep-ph/0210079](#)].
10. B. Melic, B. Nizic, K. Passek, "BLM scale for the pion transition form factor", [arXiv:hep-ph/0210080](#), in Proc. of the 8th Adriatic Meeting, Central European Symposia "Particle Physics in the New Millennium", Dubrovnik, Croatia, 4-14 September 2001 [electronic form, CD].
11. B. Melic, B. Nizic, K. Passek, "On the pQCD prediction for the pion form factor", in Proc. of the 6th INT / JLab Workshop on Exclusive and Semiexclusive Processes at High Momentum Transfer, Newport News, Virginia, USA, 20-22 May 1999: Newport News 1999, Exclusive and semi-exclusive processes at high momentum transfer (edited by C. Carlson, A. Radyushkin; Singapore, World Scientific, 2000.), p. 279-286 [[arXiv:hep-ph/9908510](#)].

UREDNIČKE KNJIGE

1. M. Capua, R. Fiore, K. Kumericki, A. Papa, K. Passek-Kumericki, E. Tassi, G.P. Vacca, Proceedings of "Diffraction 2014: International Workshop on Diffraction in High Energy Physics", Primošten, Croatia, 10-16 September 2014"; Melville, New York, AIP Publishing, 2015.

PREDAVANJA

SAŽETAK:

- Pozvana predavanja na međunarodim konferencijama: **8**
- Ostala predavanja (poster) na međunarodim konferencijama: **15** (1 poster)
- (Pozvana) predavanja na stranim institucijama: **9**

Pozvana predavanja na međunarodnim znanstvenim skupovima

1. K. Passek-Kumericki, "*On meson production, higher orders, DAs and all that*", invited talk given at the workshop Prospects for extraction of GPDs from global fits of current and future data, Warsaw, Poland, 22-25 January 2019.
2. K. Passek-Kumericki, "*Introduction to Generalized Parton Distributions, DVCS and DVMP*", invited talk given at the WE-Heraeus Physics School Diffractive and electromagnetic processes at high energies, Bad Honnef, Germany, 17-21 August 2015.
3. K. Passek-Kumericki, "*GPDs from DVCS at L0 and beyond*", invited talk given at the workshop Diffractive and electromagnetic processes at LHC, Trento, Italy, 4-8 January, 2010.
4. K. Passek-Kumericki, "*Fitting GPDs to DVCS Data: At Next-to-Leading-Order and Beyond*", invited talk given at the GPD 2008: Workshop on Hard Exclusive Reactions, Trento, Italy, 9-13 June, 2008.
5. K. Passek-Kumericki, "*Towards a fitting procedure for DVCS at next-to-leading order and beyond*", invited talk given at the 12th International Conference on Elastic and Diffractive Scattering Forward Physics and QCD, DESY, Hamburg, Germany, 21-25 May, 2007.
6. K. Passek-Kumericki, "*Hard exclusive processes and higher-order QCD corrections*", invited talk given at the 9th Adriatic Meeting, Dubrovnik, Croatia, 4-14 September 2003 .
7. K. Passek, "*On the pQCD prediction for the pion form factor*", invited talk given at the workshop Exclusive & Semiexclusive Processes at High Momentum Transfer, Joint INT/ Jefferson Lab Workshop, Newport News, Virginia, USA, 20-22 May 1999.
8. K. Passek, "*On the complete next-to-leading order pQCD prediction for the pion form factor*", invited talk given at the workshop Structure Functions and Hadronic Wave Functions, Bad Honnef, Germany, 14-18 December 1998.

Ostala predavanja (poster) na međunarodnim znanstvenim skupovima

1. K. Passek-Kumericki, "*On exclusive hard processes with light mesons*", talk given at the workshop Getting to Grips with QCD, Paris, France, 4-6 April 2018.
2. K. Passek-Kumericki, "Exclusive hard processes with mesons", talk given at ACHT2017 meeting Non-Perturbative Methods in Quantum Field Theory, Zalakaros, Hungary, 20-22 September 2017 .
3. K. Passek-Kumericki, "Generalized Parton Distributions (GPDs) through DVCS and DVMP", talk given at ACHT2015 meeting Strong Interactions in Quantum Field Theory, Leibnitz, Austria, 7-9 October 2015 .
4. K. Passek-Kumericki, "*Higher-order QCD corrections to hard exclusive processes*", talk given at the Symposium on Quarks in Hadrons and Nuclei II, Rothenfels Castle, Oberwaelz, Austria, 15-20 September 2003 .
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1. K. Passek-Kumericki, "*On exclusive hard processes with mesons and deeply virtual processes*", talk given at NCBJ, Warsaw, Oct 6th, 2017.
2. K. Passek-Kumericki, "*The Standard model on non-commutative space-time*", talk given at the University of Oslo, Sep 26th, 2007.
3. K. Passek-Kumericki, "*Hard exclusive processes and higher-order QCD corrections*", talk given at the University of Regensburg, Germany, Oct 21st, 2005.
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Prog. Part. Nucl.Phys.	1	11.049	5.682	2**	Q1
JHEP	1	5.541	4.807	4**	Q1
Eur. Phys. J. C	5	5.172	4.545	5**	Q1
Phys. Rev. D	10	4.394	3.797	7**	Q1
Phys. Lett. B	3	4.254	3.968	8**	Q2
J. Phys. G	1	3.456	2.819	9**	Q2
Nucl. Phys. B	2	3.285	3.055	11**	Q2
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