



Curriculum Vitae

Volodymyr Magas

Date of birth 18.04.1976

Place of birth Kiev, Ukraine

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Education

- Jan 1999 - Aug 2001 University of Bergen, Norway
PhD in Physics, "Multi Module Model for Ultra-Relativistic Heavy Ion Collisions", August 2001.
- Jan 1998 - Jan 1999 University of Bergen, Norway
Master of Science in Physics, "Freeze out in hydrodynamical models", January 1999.
- Sep 1993 - Dec 1997 Kiev T.G. Shevchenko University, Ukraine
Bachelor of Physics, Honours Diploma, "Models of quark-antiquark potential" (ukrainian), June 1997.

Positions

- Investigador Ramon y Cajal, December 2007 - present
Departament d'Estructura i Constituents de la Materia
University of Barcelona, Spain
- Personal Investigador, June 2006 - November 2007
Departament d'Estructura i Constituents de la Materia
University of Barcelona, Spain
- Postdoctoral fellow, October 2005 - May 2006
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- Profesor Visitante, October 2003 - September 2005
Theoretical Physics Department,
University of Valencia, Spain
- Postdoctoral fellow, October 2001 - September 2003
Center for Physics of Fundamental Interactions (CFIF)
Instituto Superior Tecnico, Lisbon, Portugal

Graduate students

- Juan Miró Silva, Master in Nuclear Physics,
"Neutron production in induced multifragmentation of heavy nucleus",
October 2011, University of Barcelona

Teaching experience

- 2011-2012/Spring (planned) - Lectures on Hadron Physics, as a part of "Master InterUniversitario in Nuclear Physics" program, Department E.C.M., University of Barcelona, Spain
- 2011-2012/Spring (planned) - Supervision of the academic exercises in "Mathematical Analysis of one variable", Department E.C.M., University of Barcelona, Spain
- 2011-2012/Autumn - Supervision of the academic exercises in "Mathematical Analysis of one variable", Department E.C.M., University of Barcelona, Spain
- 2011-2012/Autumn - Supervision of the Labs in Thermodynamics, Department E.C.M., University of Barcelona, Spain
- 2010-2011/Spring - Lectures on Hadron Physics, as a part of "Master InterUniversitario in Nuclear Physics" program, Department E.C.M., University of Barcelona, Spain
- 2010-2011/Autumn - Supervision of the academic exercises in "Mathematical Analysis of one variable", Department E.C.M., University of Barcelona, Spain
- 2010-2011/Autumn - Supervision of the Labs in Thermodynamics, Department E.C.M., University of Barcelona, Spain
- 2009-2010/Spring - Supervision of the Labs in Thermodynamics, Department E.C.M., University of Barcelona, Spain
- 2009-2010/Autumn - Supervision of the Labs in Mechanics, Department E.C.M., University of Barcelona, Spain
- 2008-2009/Spring - Supervision of the Labs in Thermodynamics, Department E.C.M., University of Barcelona, Spain
- 2008-2009/Autumn - Supervision of the Labs in Mechanics, Department E.C.M., University of Barcelona, Spain
- 2007-2008/Spring - Supervision of the Labs in Thermodynamics, Department E.C.M., University of Barcelona, Spain
- 2007-2008/Autumn - Supervision of the Labs in Mechanics, Department E.C.M., University of Barcelona, Spain
- 2004-2005/Spring - Lectures on Quantum Field Theory, Theoretical Physics Department, University of Valencia, Spain.
- 2003-2004/Spring - Lectures on Quantum Field Theory, Theoretical Physics Department, University of Valencia, Spain.

- 2000-2001/Spring - Supervision of the academic exercises in Relativistic Heavy Ion Collisions, Physics Department, University of Bergen, Norway.
- 2000-2001/Autumn - Supervision of the academic exercises in Statistical Physics, Physics Department, University of Bergen, Norway.
- 1999-2000/Spring - Supervision of the academic exercises in Relativistic Heavy Ion Collisions, Physics Department, University of Bergen, Norway.
- 1999-2000/Autumn - Supervision of the academic exercises in Statistical Physics, Physics Department, University of Bergen, Norway.
- 1997-1998/Autumn - Assistant practice, Supervision of the academic exercises in Quantum Mechanics of the Particles with Spins, Physics Department, Kiev T.G. Shevchenko University, Kiev, Ukraine.
- 1996-1997/Spring - Pedagogical practice, 1 month (april), Teacher of Physics, High school Nr 178, Kiev, Ukraine.

Organizing activities

- Co-organizer and vice-president of the student philosophy club "Synergetic University" ("Sinergeticheskii Universitet") at the Kiev T.G. Shevchenko University, September 1995 - June 1996.
- Member of the organizing committee of the
 - International Conference "New Trends in High-Energy Physics" (Crimea 2001), Yalta, Crimea, Ukraine, September 22-29, 2001.
 - Third Bolyai-Gauss-Lobachevsky Conference "Non-Euclidean Geometry in Modern Physics" (BGL3), Tirgu-Mures-Marosvasarhely, Transilvania, Romania, July 3-6, 2002.
 - Second International "Cetraro" Workshop & NATO Advanced Research Workshop "Diffraction 2002", Alushta, Crimea, Ukraine, August 30 - September 4, 2002.
 - XXXII International Symposium on Multiparticle Dynamics (ISMD 2002), Alushta, Crimea, Ukraine, September 6-12, 2002.
 - International Conference "New Trends in High-Energy Physics" (Crimea 2003), Alushta, Crimea, Ukraine, May 24 - 31, 2003.
 - International Workshop "Frontiers of Particle Astrophysics", Kiev, Ukraine, June 20-24, 2004.
 - International Conference "New Trends in High-Energy Physics" (Crimea 2005), Yalta, Crimea, Ukraine, September 10-17, 2005.
 - International Conference "New Trends in High-Energy Physics" (Crimea 2006), Yalta, Crimea, Ukraine, September 16-23, 2006.
 - International Conference "New Trends in High-Energy Physics" (Crimea 2007), Yalta, Crimea, Ukraine, September 15-22, 2007.
 - Hadron Physics I3 Topical Workshop "HadronTH 2007", Barcelona, Spain, October 1-4, 2007.

Projects

- **”Sistemas de Bose y de Fermi fuertemente correlacionados: atomos, nucleos y hadrones”**
Financial entity: Ministerio de Ciencia e Innovación, Spain; reference number FIS2011-24154
Duration: 01/01/2012-31/12/2014
Principal investigator: Prof. X. Viñas Gausi, ECM, University of Barcelona, Spain
- **European Community - Research Infrastructure Integrating Activity Study of Strongly Interacting Matter (HadronPhysics3)** under the 7th Framework Programme of EU
Referencia: Grant Agreement Nr 283286
Duration: 01/01/2012 - 31/12/2014
Principal investigator: Prof. C. Guarldo (coordinador); Prof. A. Ramos (Barcelona node), ECM, University of Barcelona
- **”Fisica nuclear teorica i de moltes particules en interaccio”**
Financial entity: DURSI, Generalitat de Catalunya; reference number 2009SGR-1289
Duration: 01/01/2009 - 31/12/2013
Principal investigator: Prof. M. Barranco, ECM, University of Barcelona, Spain
- **European Community - Research Infrastructure Integrating Activity Study of Strongly Interacting Matter (HadronPhysics2)** under the 7th Framework Programme of EU
Referencia: Grant Agreement Nr 227431
Duration: 01/01/2009 - 31/12/2011
Principal investigator: Prof. C. Guarldo (coordinador); Prof. A. Ramos (Barcelona node), ECM, University of Barcelona
- **”Sistemas cuanticos en interaccion: hadrones, nucleos y atomos”**
Financial entity: Ministerio de Ciencia e Innovación, Spain; reference number FIS2008-01661
Duration: 01/01/2009-31/12/2011
Principal investigator: Prof. A. Parrenno Garcia, ECM, University of Barcelona, Spain
- **Centro Nacional de Fisica de Particulas, Astroparticulas y Nuclear (CPAN)**
Financial entity: Ministerio de Educación y Ciencia (Programa Consolider-Ingenio 2010), reference number CSD2007-00042
Duration: 01/10/2007 - 30/09/2012
Principal investigator: Prof. L. Garrido Beltran (Barcelona node), ECM, University of Barcelona, Spain
- **FLAVIANet: Entering the high-precision era of flavour physics through the alliance of lattice simulations, effective field theories and experiment**
Financial entity: European Union, reference number MRTN-CT-2006-035482
Duration: 01/10/2006 - 30/09/2010
Principal investigator: Prof. A. Pich (coordinador); Prof. J. Soto (Barcelona node), ECM, University of Barcelona, Spain
- **”Descripcion microscopica de estados exoticos de la materia”**
Financial entity: Ministerio de Educacion y Ciencia, Spain; reference number FIS2005-03142

- Duration:** 01/01/2006 - 31/12/2008
Principal investigator: Prof. M. Centelles, ECM, University of Barcelona, Spain
- **"Física nuclear teòrica i de moltes partícules en interacció"**
Financial entity: DURSI, Generalitat de Catalunya; reference number 2005SGR00343
Duration: 01/01/2005 - 31/12/2009
Principal investigator: Prof. M. Barranco, ECM, University of Barcelona, Spain
 - **N5 Networking Activity: "HadronTh - Structure and Dynamics of Hadrons"**
under the FP6 "Structuring the European Research Area" programme:
I3HP HadronPhysics: "Study of Strongly Interacting Matter";
reference number: RII3-CT-2004-506078
Duration: 01/01/2004 - 31/12/2008
Principal investigator: Prof. C. Guarldo (coordinador); Prof. A. Ramos (Barcelona node), ECM, University of Barcelona
 - **"HBT radii from hydrodynamics"**
Financial entity: Bergen Computational Physics Laboratory in the framework of the European Community - Access to Research Infrastructure action of the Improving Human Potential Programme; Project Nr 55
Duration: 01/09/2003 - 29/02/2004
Principal investigator: Dr. V.K. Magas, Theoretical Physics Department, University of Valencia, Spain
 - **"Hadronization and Freeze Out in Fluid Dynamics"**
Financial entity: Bergen Computational Physics Laboratory in the framework of the European Community - Access to Research Infrastructure action of the Improving Human Potential Programme; Project Nr 29
Duration: 01/10/2001 - 31/03/2003
Principal investigator: Dr. V.K. Magas, CFIF, Instituto Superior Tecnico, Lisbon, Portugal
 - **"Small-x Physics: Interface between perturbative and non-perturbative QCD dynamics"**
Financial entity: INTAS, grant 2000-00366
Duration: 01/07/2001 - 30/06/2004
Principal investigator: Prof. G. Marchesini (coordinador); Prof. L.L. Jenkovszky (Kiev node), Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine
 - **"Twoside method of solving onedimensional differential equations of the second order"**
Financial entity: Academy of Science of Ukraine, student research grant
Duration: 1996 - 1997
Supervisor: Prof. O.F. Kalaida, Kiev T.G. Shevchenko University, Ukraine

Awards

- Meltzers Scholarship - 2001; granted by the L. Meltzers Høyskolefond (L. Meltzers High School Foundation), Norway
- Individual students's grants - 1997; granted by the International Science Foundation (Soros Foundation)
- Bogolyubov Scholarship - Kiev T.G. Shevchenko University, 01/01/1996 - 31/12/1997; granted by the bank "Polissya", Ukraine
- 2nd prize - Kiev regional young physicists competition, Kiev, Ukraine, 1993

- 3rd prize - Young Physicists Competition, organized by Kiev T.G. Shevchenko University, Faculty of Mathematics and Mechanics, Kiev, Ukraine, 1993
- 1st prize - Kiev regional young physicists competition, Kiev, Ukraine, 1992
- 3rd prize - Kiev regional young mathematicians competition, Kiev, Ukraine, 1990

Visits, Trainings, Fieldworks

- May 14-24, 2010 - Collaborative work, Department of Physics and Technology, University of Bergen, Norway.
- November 19 - December 6, 2009 - Collaborative work, Department of Physics and Technology, University of Bergen, Norway.
- August 20 - September 20, 2009 - Collaborative work, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.
- February 14 - February 28, 2009 - Collaborative work, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.
- August 12 - September 2, 2008 - Collaborative work, Department of Physics and Technology, University of Bergen, Norway.
- May 28 - June 18, 2008 - Collaborative work, Department of Physics and Technology, University of Bergen, Norway.
- February 1-28, 2005 - Visiting Researcher (Stipendiat), Frankfurt Institute for Advanced Studies (FIAS), Frankfurt, Germany.
- August 8-14, 2004 - Collaborative work, Los Alamos National Lab, Los Alamos, NM, USA.
- February 1-15, 2004 - Access to Supercomputer (Project Nr 55), Bergen Computational Physics Laboratory (BCPL), Section for Theoretical and Computational Physics (SENTEF), University of Bergen, Norway.
- February 16 - March 2, 2003 - Access to Supercomputer (Project Nr 29), Bergen Computational Physics Laboratory (BCPL), Section for Theoretical and Computational Physics (SENTEF), University of Bergen, Norway.
- October 15 - November 15, 2002 - Access to Supercomputer (Project Nr 29), Bergen Computational Physics Laboratory (BCPL), Section for Theoretical and Computational Physics (SENTEF), University of Bergen, Norway.
- November 1-30, 2001 - Access to Supercomputer (Project Nr 29), Bergen Computational Physics Laboratory (BCPL), Section for Theoretical and Computational Physics (SENTEF), University of Bergen, Norway.
- June - August 2001 - Summer Fieldwork, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.
- January 21-27, 2001 - Collaborative work, Los Alamos National Lab, Los Alamos, NM, USA.
- June - August 2000 - Summer Fieldwork, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.
- October - December 1999 - Practical training due to EU Leonardo da Vinci Programme, GSI (Gesellschaft für Schwerionenforschung) mbH, Darmstadt, Germany.
- June - August 1999 - Summer Fieldwork, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.

- June - July 1998 - Summer Fieldwork, Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine.
- June - July 1996 - Summer practice, Differential Equations Group, Department of Mechanics and Mathematics, Kiev T.G. Shevchenko University, Kiev, Ukraine.

List of publications

Publications in the refereed Journals

- 1. V.K. Magas, O.F. Kalaida "Onedimension linear integro-differential tasks for Volterra equations" (in Ukrainian) Bulletin of the University of Kiev (Visnyk Kyivskogo Universytetu) # **1** (1996) 101-104.
- 2. O.F. Kalaida, V.K. Magas "Twoside method of solving onedimensional boundary tasks for equations of the second order" (in Ukrainian) Bulletin of the University of Kiev (Visnyk Kyivskogo Universytetu) # **2** (1997) 28-34.
- 3. V. Magas "Perturbative expansion of the strongly interacting scattering amplitude" Ukrainskii Fizicheskii Zhurnal (Ukrainian Journal of Physics) **44** (1999) 438.
- 4. Cs. Anderlik, Zs. Lazar, V. Magas, L.P. Csernai, H. Stöcker and W. Greiner "Nonideal particle distributions from kinetic freeze-out models", nucl-th/9808024, Phys. Rev. C **59** (1999) 388-394.
- 5. Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner, Y. Hama, T. Kodama, Zs. Lazar, V. Magas and H. Stöcker "Freeze out in hydrodynamical models", nucl-th/9806004, Phys. Rev. C **59** (1999) 3309-3316.
- 6. V.K. Magas, Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner, Y. Hama, T. Kodama, Zs. Lazar and H. Stöcker "Kinetic freeze out models", nucl-th/9903045, Heavy Ion Physics **9** (1999) 193-216.
- 7. Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner, Y. Hama, T. Kodama, Zs. Lazar, V. Magas and H. Stöcker "Large p_t enhancement from freeze out", nucl-th/9905054, Phys. Lett. B **459** (1999) 33-36.
- 8. R. Fiore, L. L. Jenkovszky, V. K. Magas and F. Paccanoni "Fixed-angle elastic hadron scattering", hep-ph/9904202, Phys. Rev. D **60** (1999) 116003.
- 9. V.K. Magas, Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner, Y. Hama, T. Kodama, Zs. Lazar and H. Stöcker "Freeze-out in hydrodynamical models in relativistic heavy ion collisions", nucl-th/0001049, Nucl. Phys. A **661** (1999) 596-599.
- 10. R. Fiore, L.L. Jenkovszky, V. Magas, F. Paccanoni and A. Papa "Analytic model of Regge trajectories", hep-ph/0011035, Eur. Phys. J. A **10** (2001) 217-221.
- 11. V.K. Magas, L.P. Csernai, D.D. Strottman, "The initial state of ultra-relativistic heavy ion collision", hep-ph/0010307, Phys. Rev. C **64** (2001) 014901.
- 12. L.P. Csernai, Cs. Anderlik, V. Magas "Phase transitions in high energy heavy ion collisions within fluid dynamics", nucl-th/0010023, Heavy Ion Physics **14** (2001) 83-95.
- 13. L.L. Jenkovszky, V.K. Magas and E. Predazzi "Resonance-reggeon and parton-hadron duality in strong interactions", hep-ph/0110374, Eur. Phys. J. A **12** (2001) 361-367.
- 14. L. Csernai, L. Jenkovszky, K. Kontros, A. Lengyel, V. Magas and F. Paccanoni "From Regge Behavior to DGLAP Evolution", hep-ph/0112265, Eur. Phys. J. C **24** (2002) 205-211.
- 15. V.K. Magas, L.P. Csernai, D.D. Strottman "Effective String Rope Model for the initial stages of Ultra-Relativistic Heavy Ion Collisions", hep-ph/0202085, Nucl. Phys. **A712** (2002) 167-204.
- 16. R. Fiore, A. Flachi, L.L. Jenkovszky, A.I. Lengyel, V.K. Magas "Explicit model realizing parton-hadron duality", hep-ph/0206027, Eur. Phys. J. A **15** (2002) 505-515.
- 17. A. Keränen, J. Manninen, L.P. Csernai, V. Magas "Statistical Hadronization of

- Supercooled Quark-Gluon Plasma”, nucl-th/0205019, Phys. Rev. C **67** (2003) 034905.
- 18. L.P. Csernai, M.I. Gorenstein, L.L. Jenkovszky, I. Lovas, V.K. Magas ”Can supercooling explain the HBT puzzle?”, hep-ph/0210297, Phys. Lett. B **551** (2003) 121-126.
 - 19. L.P. Csernai, C. Anderlik, A. Keranen, V. Magas, J. Manninen and D.D. Strottman ”QGP Hydrodynamics for RHIC Energies”, Heavy Ion Physics **17** (2003) 271-280.
 - 20. V.K. Magas, A. Anderlik, Cs. Anderlik, L.P. Csernai ”Non-equilibrated post freeze out distributions”, nucl-th/0307017, Eur. Phys. J. C **30** (2003) 255-261.
 - 21. A. Flachi, K. Gudima, L.L. Jenkovszky, V. Kuvshinov, V.K. Magas ”Regge-pole approach to deeply virtual Compton scattering and generalized parton distributions”, Ukrainskii Fizicheskii Zhurnal (Ukrainian Journal of Physics) **48** (2003) 507-512.
 - 22. V.K. Magas, L.P. Csernai, M.I. Gorenstein, L.L. Jenkovszky ”Hadronization of Supercooled QGP in Ultra-Relativistic Heavy Ion Collisions”, Ukrainskii Fizicheskii Zhurnal (Ukrainian Journal of Physics) **48** (2003) 795-800.
 - 23. R. Fiore, A. Flachi, O. Ivanova, L.L. Jenkovszky, A. Lengyel, V.K. Magas ”A Kinematically Complete Dual-Regge Analysis of the Proton Structure Function F_2 in the Resonance Region”, Ukrainskii Fizicheskii Zhurnal (Ukrainian Journal of Physics) **48** (2003) 1246-1251.
 - 24. V.K. Magas, H. Satz ”Conditions for hadronization and freeze-out”, Ukrainskii Fizicheskii Zhurnal (Ukrainian Journal of Physics) **48** (2003) 1265-1268.
 - 25. V. Magas, H. Satz ”Conditions for confinement and freeze-out”, hep-ph/0308155, Eur. Phys. J. C **32** (2003) 115-119.
 - 26. R. Fiore, A. Flachi, L.L. Jenkovszky, A.I. Lengyel, V.K. Magas ”A Kinematically Complete Analysis of the CLAS data on the Proton Structure Function F_2 in a Regge-Dual model”, hep-ph/0308178, Phys. Rev. D **69** (2004) 014004.
 - 27. V.K. Magas, L. Roca, E. Oset ”The ϕ meson width in the medium from proton induced ϕ production in nuclei”, nucl-th/0403067, Phys. Rev. C **71** (2005) 065202.
 - 28. V.K. Magas ”Off mass shell dual amplitude with Mandelstam analyticity”, hep-ph/0404255, Physics of Atomic Nuclei **68** (2005) 104-113 (Yadernaya Fizika **68** (2005) 106-115).
 - 29. L.P. Csernai, A. Anderlik, Cs. Anderlik, V.K. Magas, E. Molnar, A. Nyiri, D. Rohrich, K. Tamosiunas ”The 3rd Flow Component as a QGP Signal”, hep-ph/0405277, Acta Phys. Hung. A) Heavy Ion Physics **22** (2005) 181-186.
 - 30. D. Cabrera, Q.B. Li, V.K. Magas, E. Oset, M.J. Vicente Vacas ” Θ^+ Hypernuclei”, nucl-th/0407007, Phys. Lett. B **608** (2005) 231-239.
 - 31. V.K. Magas, L. Roca, E. Oset ”Measuring the ϕ meson width in the medium from p induced ϕ production in nuclei”, nucl-th/0412066, Nucl. Phys. **A755** (2005) 495-498.
 - 32. E. Oset, D. Cabrera, Q.B. Li, V.K. Magas, M.J. Vicente Vacas ”Bound states of Θ^+ in nuclei”, nucl-th/0501034, Nucl. Phys. **A755** (2005) 503-506.
 - 33. V.K. Magas, L.P. Csernai, E. Molnar, A. Nyiri, and K. Tamosiunas ”Modified Boltzmann Transport Equation”, hep-ph/0502185, Nucl. Phys. **A749** (2005) 202-205.
 - 34. V.K. Magas, E. Oset, A. Ramos ”Evidence for the two pole structure of the $\Lambda(1405)$ resonance”, hep-ph/0503043, Phys. Rev. Lett. **95** (2005) 052301.
 - 35. R. Fiore, L.L. Jenkovszky, V.K. Magas ”Bootstrapping Generalized Parton Distributions”, Acta Phys. Polon. B **36** (2005) 743-748.
 - 36. L.P. Csernai, V.K. Magas, E. Molnar, A. Nyiri and K. Tamosiunas ”Modified Boltz-

- mann Transport Equation and Freeze Out”, hep-ph/0505228, Eur. Phys. J. A **25** (2005) 65-73.
- 37. E. Oset, D. Cabrera, V.K. Magas, L. Roca, S. Sarkar, M.J. Vicente Vacas and A. Ramos ”Chiral dynamics of baryon resonances and hadrons in a nuclear medium”, nucl-th/0504033, Pramana **66** (2006) 731-752.
 - 38. L. Roca, Sourav Sarkar, V.K. Magas and E. Oset ”Unitary coupled channel analyses of the $\Lambda(1520)$ resonance”, hep-ph/0603222, Phys. Rev.C **73** (2006) 045208.
 - 39. E. Oset, D. Cabrera, Q.B. Li, V.K. Magas, M.J. Vicente Vacas, A. Ramos, T. Inoue, C.Garcia Recio, J. Nieves ”Chiral dynamics of hadrons in nuclei”, nucl-th/0501059, Acta Phys. Hung. A) Heavy Ion Physics **27** (2006) 115-124.
 - 40. E. Molnar, L. P. Csernai, V. K. Magas, A. Nyiri, K. Tamosiunas ”Covariant description of kinetic freeze out through a finite space-like layer”, nucl-th/0503047, Phys. Rev. **C74** (2006) 024907.
 - 41. V.K. Magas, A. Ramos, E. Oset, H. Toki ”A critical view on the deeply bound K^-pp system”, nucl-th/0601013, Phys. Rev. **C74** (2006) 025206.
 - 42. V.K. Magas, L.P. Csernai, E. Molnar, A. Nyiri, K. Tamosiunas ”Freeze our in narrow and wide layers”, nucl-th/0510066, Acta Phys. Hung. A) Heavy Ion Physics **27** (2006) 351-354.
 - 43. E. Molnar, L.P. Csernai, V.K. Magas ”Covariant kinetic freeze out description through a finite space-time layer”, nucl-th/0510062, Acta Phys. Hung. A) Heavy Ion Physics **27** (2006) 359-362.
 - 44. E. Oset, S. Sarkar, M.J. Vicente Vacas, M. Kashkulov, L. Roca, V.K. Magas, A. Ramos, H. Toki ”Recent developments in chiral dynamics of hadrons and hadrons in a nuclear medium”, nucl-th/0607051, Nucl. Phys. **A782** (2007) 259-266.
 - 45. V. Magas, L. Csernai, E. Molnar ”Freeze out of the expanding system”, nucl-th/0702069, Eur. Phys. J A **31** (2007) 854-857.
 - 46. A. Ramos, V. Magas, E. Oset, H. Toki ”Conventional view versus FINUDA claims of deeply bound K- pp state”, Eur. Phys. J A **31** (2007) 684-686.
 - 47. E. Molnar, L. P. Csernai, V. K. Magas, Zs. I. Lazar, A. Nyiri, K. Tamosiunas ”Covariant description of kinetic freeze out through a finite time-like layer”, nucl-th/0503048, J. Phys. **G34** (2007) 1901-1916.
 - 48. R. Fiore, L.L. Jenkovszky, V.K. Magas, F. Paccanoni, A. Prokudin ”J/Psi Photoproduction in a Dual Model”, hep-ph/0702209, Phys. Rev. **D75** (2007) 116005.
Dedicated to Professor Anatoly I. Bugrij on the occasion of his 60th birthday
 - 49. V.K. Magas, L.P. Csernai, E. Molnar ”Bjorken expansion with gradual freeze out”, nucl-th/0702083, International Journal of Modern Physics **E16** (2007) 1890-1895.
 - 50. A. Ramos, V.K. Magas, E. Oset, H. Toki ”The antikaon-nucleus interaction and alternative views to deeply bound antikaonic nuclear systems”, Nucl. Phys. **A804** (2008) 219-230.
 - 51. J. Nieves, C. Garcia-Recio, L.L. Salcedo, V. Magas, A. Ramos, T. Mizutani, H. Toki ” χ -SU(3) BSE model: extension to SU(6) and SU(8) spin-flavour symmetries”, hep-ph/0802.1602, Mod. Phys. Lett. **A23** (2008) 2297-2300.
 - 52. L.P. Csernai, V.K. Magas, ”Kinetic description of particle emission from expanding source”, nucl-th/0804.3520, Phys. Lett. **B663** (2008) 191-196.
 - 53. V.K. Magas, E. Oset, A. Ramos ”Critical review of $[K^-ppn]$ bound states”, nucl-

- th/0801.4504, Phys. Rev. **C77** (2008) 065210.
- 54. C. Garcia-Recio, V.K.Magas, T. Mizutani, J. Nieves, A. Ramos, L.L. Salcedo, L. Tolos, "The s -wave charmed baryon resonances from a coupled-channel approach with heavy quark symmetry", hep-ph/0807.2969, Phys. Rev. **D79** (2009) 054004.
 - 55. L.P. Csernai, Y. Cheng, Sz. Horvát, V. Magas, E. Molnár, D. Strottman, and M. Zétényi "Flow analysis with 3-dim ultra-relativistic hydro", J. Phys. **G36** (2009) 064032
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- p55. A. Ramos, V.K. Magas, E. Oset, H. Toki "A theoretical view on bound antikaon-nuclear states", **nucl-th/0702019**, Proceedings of the IX International Conference on Hypernuclear and Strange Particle Physics, Mainz, Germany, October 10-14, 2006, edited by J. Pochodzalla, Th. Walcher (Springer, Germany, 2007), pp. 273-278.
- p56. B. Bäuchle, Yun Cheng, L.P. Csernai, V.K. Magas, D. Strottman, P. Ván, M. Zétényi, "Fluid Dynamics as Diagnostic Tool for Heavy Ion Collisions", **nucl-th/0701059**, Proceedings of the 19th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions: Quark Matter 2006 (QM2006), Shanghai, China, November 14-20, 2006, J. Phys. **G34** (2007) S1077-S1082.
- p57. E. Oset, M. Doring, M. Kaskulov, L. Roca, S. Sarkar, D. Strottman, M.J. Vicente Vacas, V.K. Magas, A. Ramos, and E. Hernandez "Recent developments in chiral dynamics of hadrons and hadrons in nuclei", **nucl-th/0702022**, Proceedings of the YKIS Seminar On New Frontiers In QCD "Exotic Hadrons And Hadronic Matter", Kyoto, Japan, November 20 - December 8, 2006, Progress of Theoretical Physics Supplement **168** (2007) pp. 543-551.
- p58. A. Ramos, V.K. Magas, E. Oset, T. Misutani, L. Tolos "Resonance physics in chiral unitary approaches", **nucl-th/0711.4042**, Proceedings of the International Workshop On The Physics Of Excited Nucleons (NSTAR 2007), Bonn, Germany, September 5-8, 2007 - in press (EPJ A).
- p59. V.K. Magas, L.P. Csernai "Bjorken model with Freeze Out", **nucl-th/0711.2981**, Proceedings of the International Conference "New Trends in High-Energy Physics" (Crimea 2007), Yalta, Crimea, Ukraine, September 15-22, 2007, edited by P.N. Bogolyubov, L.L. Jenkovszky, V.K. Magas (Bogolyubov Institute for Theoretical Physics, Kiev, 2007), pp. 187-192.
- p60. R. Fiore, L.L. Jenkovszky, V.K. Magas, A. Prokudin "J/ Ψ electroproduction in a dual model", "Very High Multiplicity Physics Workshops 2000-2007", edited by A. Sissakian and J. Manjavidze (Dubna: JINR, 2008), p. 177.
- p61. V.K. Magas, E. Oset, A. Ramos "Two and three nucleon K- absorption in nuclei", **arXiv:0901.3306 [nucl-th]**, Proceedings of the International Conference on Particles And Nuclei (PANIC08), Eilat, Israel, November 9-14, 2008, edited by I. Tserruya, A. Gal, D. Ashery (Elsevier, 2009), pp. 450-452.
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- p68. E. Oset, M. Kaskulov, E. Hernandez, A. Ramos, V.K. Magas, J. Yamagata-Sekihara, S. Hirenzaki, D. Gamermann, R. Molina, L. Tolos, L. Roca, "Selected topics on Hadrons in Nuclei", **arXiv:1102.3981 [nucl-th]**, Proceedings of the International Nuclear Physics Conference (INPC 2010), Vancouver, Canada, July 4-9, 2010, Journal of Physics: Conference Series (JPCS) 312 (2011) 022006.
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Books of Abstracts

- a1. V.K. Magas, L.P. Csernai, D.D. Strottman "Initial stages of Ultra-Relativistic Heavy Ion Collisions", Abstracts of the International Conference on Theoretical Physics, Paris, UNESCO, France, July 22-27, 2002, edited by D. Iagolnitzer, P. Ribeca, J. Zinn-Justin (Paris, 2002), p. 180.
- a2. V.K. Magas, E. Oset, A. Ramos, H. Toki "Simulation of the K^- nuclear absorption at FINUDA", Mini-Proceedings of the International Workshop "Exotic hadronic atoms, deeply bound kaonic nuclear states and antihydrogen: present results, future challenges", ECT, Trento, Italy, June 19-24, 2006, edited by C. Curceanu (Petrascu), A. Rusetsky, E. Widmann, **hep-ph/0610201**, p. 37.
- a3. E. Oset, V.K. Magas, A. Ramos, H. Toki "Chiral dynamics of \bar{K} -nucleus interaction: critical review of deeply bound states", Mini-Proceedings of the International Workshop "Exotic hadronic atoms, deeply bound kaonic nuclear states and antihydrogen: present results, future challenges", ECT, Trento, Italy, June 19-24, 2006, edited by C. Curceanu (Petrascu), A. Rusetsky, E. Widmann, **hep-ph/0610201**, p. 34.
- a4. Bulavin L.A., Jenkovszky L.L., Magas V.K., Sysoev V.M. "The nuclear matter as a fluid with smallest viscosity", Abstracts of the 4-th International Conference Physics of Liquid Matter: Modern Problems, Kyiv National Taras Shevchenko University, Ukraine, May 23-26, 2008, edited by L. Bulavin (Kyiv, Ukraine, 2008), p. 106.
- a5. V.K. Magas, J. Yamagata-Sekihara, S. Hirenzaki, E. Oset, A. Ramos "The in-flight C12 (\bar{K} -,p) reaction at KEK", Mini-Proceedings of the International Workshop "Hadronic Atoms and Kaonic Nuclei - solved puzzles, open problems and future challenges in theory and experiment", ECT*, Trento, Italy, October 12-16, 2009, edited by C. Curceanu and J. Marton, **arXiv:1003.2328 [nucl-ex]**, p. 22.

Preprints

- pp1. L.P. Csernai, V.K. Magas, E. Molnar, A. Nyiri and K. Tamosiunas, "Freeze Out and the Boltzmann Transport Equation", **hep-ph/0406082**.
- pp2. E. Oset, V.K. Magas, A. Ramos, S. Hirenzaki, J. Yamagata-Sekihara, A. Martinez Torres, K.P. Khemchandani, M. Napsuciale, L.S. Geng, and D. Gamermann "Deeply Bound Kaonic Clusters", **arXiv:0912.3145 [nucl-th]**, Presented at the 19th International IUPAP Conference on Few-Body Problems in Physics (FB19), Bonn, Germany, August 31 - September 5, 2009.

Presentations at the Conferences

- 1. "Onedimension linear integro-differential tasks for Voltera equations" (in Ukrainian) - Talk - Student conference, Kiev T.G. Shevchenko University, Kiev, Ukraine, April 20, 1996.
- 2. "Idealized freeze out models" - Poster - Meeting of Division of Nuclear Physics of the American Physical Society, Santa Fe, New Mexico, USA, October 25 - November 1, 1998.
- 3. "Idealized freeze out models" - Talk - Workshop on Fluctuation, Freeze-out and Fluid Dynamics, Bergen, Norway, November 12-14, 1998.
- 4. "Freeze out in hydrodynamical models" - Talk - "Norske kjerner (Norwegian nuclear physics) 2000-2020", Oslo, Norway, March 17-19, 1999.
- 5. "Freeze out in hydrodynamical models in relativistic heavy ion collisions" - Talk - "Quark Matter 99" XIV International Conference on Ultra-relativistic Nucleus-Nucleus collisions, Torino, Italy, May 10-15, 1999.
- 6. "Kinetic freeze-out models" - Poster - 11th General Conference of the European Physics Society EPS-11: Trends in Physics, London, Great Britain, September 6-10, 1999.
- 7. "Softening of the directed flow at RHIC as a signal of QGP" - Talk - Workshop on Heavy Ion Reaction Modeling, Bergen, Norway, November 19-20, 1999.
- 8. "Freezing out from equilibrium" - Talk - Workshop on Heavy-Ion Reaction Modelling, Bergen, Norway, November 19-20, 1999.
- 9. "Initial conditions for hydrodynamical calculations and structure of the elliptic flow" - Talk - International Conference "New Trends in High-Energy Physics" (Crimea 2000), Yalta (Mishor), Crimea, Ukraine, May 27 - June 4, 2000.
- 10. "Initial conditions for hydrodynamical calculations and structure of the elliptic flow" - Talk - 5th Nordic Summer School in Nuclear Physics, Hillerod, Denmark, August 14-25, 2000.
- 11. "Resonance masses and widths from nonlinear Regge trajectories" - Poster - "Diffraction 2000", International Workshop on Diffraction in High-Energy Physics, Cetraro, Italy, September 2-7, 2000.
- 12. "The source of the "third flow component"" - Invited Talk - ISMD 2000, XXXth International Symposium on Multiparticle Dynamics, Tihany, Lake Balaton, Hungary, October 9-15, 2000.
- 13. "The initial state of QGP" - Poster - Quark Matter 2001, the 15th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions, Long Island, New York, January 15-20, 2001.
- 14. "The initial stages in Relativistic Heavy Ion Collisions" - Invited Talk - North-West

Europe Nuclear Physics Conference, Bergen, Norway, April 17-20, 2001.

- 15. "Freeze out in heavy ion collisions" - Talk - Physique en Herbe 2001, Strasbourg, France, June 18-22, 2001.
- 16. "Three Module Model for Relativistic Heavy Ion Collisions" - Talk - International Conference "New Trends in High-Energy Physics" (Crimea 2001), Yalta (Mishor), Crimea, Ukraine, September 22-29, 2001.
- 17. "Multi Module Modeling of Ultra-Relativistic Heavy Ion Collisions" - Invited Talk - 2nd Collaboration Meeting on Atomic and Subatomic Reaction Modeling + BCPL User Meeting, Trento, Italy, March 7-10, 2002.
- 18. "Multi Module Model for Ultra-Relativistic Heavy Ion Collisions: First Module" - Poster - The XVIth International Conference on Ultrarelativistic Nucleus-Nucleus Collisions "Quark Matter 2002", Nantes, France, July 18-24, 2002.
- 19. "Initial stages of Ultra-Relativistic Heavy Ion Collisions" - Poster - International Conference on Theoretical Physics, Paris, UNESCO, France, July 22-27, 2002.
- 20. "Analytic model realizing parton-hadron duality" - Talk - NATO Advanced Research Workshop "DIFFRACTION 2002", Alushta, Crimea, August 31 - September 6, 2002.
- 21. "Hadronization and freeze out from supercooling QGP" - Talk - XXXII International Symposium on Multiparticle Dynamics "ISMD 2002", Alushta, Crimea, September 7-13, 2002.
- 22. "Hadronization and Freeze Out of Supercooled QGP in Ultra-Relativistic Heavy Ion Collisions" - Talk - International Conference "Modern Problems of Theoretical Physics" (MPTP 2002), Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine, December 9-15, 2002.
- 23. "Supercooled QGP and HBT puzzle at RHIC" - Invited Talk - 1st National Meeting of Hadronic Physics, Instituto Superior Tecnico, Lisbon, Portugal, January 16, 2003.
- 24. "Hadronization of Supercooled QGP" - Invited Talk - International Workshop "Heavy Ions and Cosmic Rays", Santiago de Compostela, Spain, February 14-15, 2003.
- 25. "Hadronization and Freeze Out of Supercooled QGP" - Invited Talk - 3rd Collaboration Meeting on Atomic and Subatomic Reaction Modeling + BCPL User Meeting, Trento, Italy, March 27-30, 2003.
- 26. "Non-Equilibrated post Freeze Out distributions" - Invited Talk - 3rd Collaboration Meeting on Atomic and Subatomic Reaction Modeling + BCPL User Meeting, Trento, Italy, March 27-30, 2003.
- 27. "Conditions for hadronization and freeze-out" - Talk - International Conference "New Trends in High Energy Physics" (Crimea 2003), Alushta, Crimea, Ukraine, May 24 - 31, 2003.
- 28. "Conditions for hadronization and freeze-out in heavy ion collisions" - Invited Talk - The Fourth International Workshop on Very High Multiplicity Physics, (VHMP 2003), Alushta, Crimea, Ukraine, May 31 - June 4, 2003.
- 29. "Deconfinement and Freeze-Out Conditions for Hadronic Matter" - Poster - NATO Advances Study Institute "Structure and Dynamics of Elementary Matter", Kemer, Turkey, September 22 - October 2, 2003.
- 30. "Freeze Out in a finite layer" - Invited Talk - 4th Collaboration Meeting on Atomic and Subatomic Reaction Modeling + BCPL User Meeting, Trento, Italy, Feb 26-29, 2004.
- 31. "Off mass shell dual amplitude with Mandelstam analyticity" - Invited Talk - 4th Col-

laboration Meeting on Atomic and Subatomic Reaction Modeling + BCPL User Meeting, Trento, Italy, Feb 26-29, 2004.

- 32. "Modeling of the freeze out in a finite layer" - Talk - International Workshop "Creation and Flow of Baryons in Hadronic and Nuclear Collisions", Trento, Italy, May 3-7, 2004.
- 33. "Boltzmann Transport Equation and Freeze Out Modeling" - Talk - International Workshop "Frontiers of Particle Astrophysics", Kiev, Ukraine, June 20-24, 2004.
- 34. "Kinetic model for the freeze out in a finite layer" - Talk - 18th Nuclear Physics Division Conference of the EPS (NPDC18) Europhysics Conference "Phase transitions in strongly interacting matter", Prague, Czech Republic, August 23-29, 2004.
- 35. "Continuation of the dual amplitude with Mandelstam analyticity off mass shell" - Talk - Fourth International Conference "Non-Euclidean Geometry in Modern Physics and Mathematics" (Bolyai-Gauss-Lobachevsky series, BGL-4), Nizhny Novgorod, Russia, September 7-11, 2004.
- 36. "Bound states of pentaquarks in nuclear matter" - Talk - Bogolyubov Kyiv Conference "Modern Problems of Mathematics and Theoretical Physics", Kiev, Ukraine, September 13-17, 2004.
- 37. "Measuring the ϕ meson width in the medium from p induced ϕ production in nuclei" - Talk - 10th International Conference on the Structure of Baryons "Baryons 2004", Ecole Polytechnique, Palaiseau, France, October 25-29, 2004.
- 38. "Perspectives for Quantum Medicine" - Talk - Symposium "The Future of Life and the Future of our Civilization (predictions and modelling)", Frankfurt am Main, Germany, May 2-6, 2005.
- 39. "Freeze out in narrow and wide layers" - Poster - 18th International Conference On Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2005 (QM 2005), Budapest, Hungary, August 4-9, 2005.
- 40. "Two pole structure of the $\Lambda(1405)$ resonance" - Talk - International Conference "New Trends in High-Energy Physics" (Crimea 2005), Yalta, Crimea, Ukraine, September 10-17, 2005.
- 41. "Freeze Out in a layer" - Talk - IVth International Conference on Quarks and Nuclear Physics (QNP06), Madrid, Spain, June 5-10, 2006.
- 42. " $\Lambda(1405)$ resonance as a superposition of two states" - Talk - IVth International Conference on Quarks and Nuclear Physics (QNP06), Madrid, Spain, June 5-10, 2006.
- 43. "Simulation of the K^- nuclear absorption at FINUDA" - Talk - International Workshop "Exotic hadronic atoms, deeply bound kaonic nuclear states and antihydrogen: present results, future challenges", ECT, Trento, Italy, June 19-24, 2006.
- 44. "Bjorken hydrodynamics and gradual freeze out" - Talk - International Workshops on "Critical point and onset of deconfinement" and "Correlations and fluctuations in relativistic nuclear collisions", Florence, Italy, July 3-9, 2006.
- 45. "Continuation of the dual amplitude with Mandelstam analyticity off mass shell" - Talk - International Workshop on Diffraction in High-Energy Physics "Diffraction 2006", Milos Island, Greece, September 5-10, 2006.
- 46. "Critical review of deeply bound kaonic nuclear states" - Talk - International Conference "New Trends in High-Energy Physics" (Crimea 2006), Yalta, Crimea, Ukraine, September 16-23, 2006.
- 47. "Bjorken expansion with gradual freeze out" - Poster - 19th International Conference On Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2006 (QM 2006),

Shanghai, China, November 14-20, 2006.

- 48. "Initial conditions and analytical solutions for hydro" - Invited Talk - Numerical and Conceptual Issues in Relativistic Hydrodynamics (NCRH2007), Frankfurt, Germany, April 16-19, 2007.
- 49. "Bjorken model with Freeze Out" - Talk - International Conference "New Trends in High-Energy Physics" (Crimea 2007), Yalta, Crimea, Ukraine, September 15-22, 2007.
- 50. "Two and three nucleon absorption of the antikaon in nuclei" - Invited Talk - International Workshop "Hadrons@FAIR", Frankfurt, Germany, June 25-27, 2008.
- 51. " J/Ψ photo- and electroproduction in a dual model" - Talk - International Workshop on Diffraction in High-Energy Physics (Diffraction 2008), La Londe-les-Maures, France September 9-14, 2008.
- 52. " K^- absorption in nuclei by two and three nucleons" - Invited Talk - International Conference on Exotic Atoms (EXA 2008), Vienna, Austria, September 15-18, 2008.
- 53. " K^- absorption by three nucleons" - Talk - Workshop on Hadron Dynamics, Almuñecar, Spain, September 25-28, 2008.
- 54. "Three Nucleon K^- Absorption in Nuclei" - Talk - International Conference on Particles And Nuclei (PANIC08), Eilat, Israel, November 9-14, 2008.
- 55. "Relativistic heavy ion collisions - why to do hydrodynamical simulations?" - Talk - IX Jornada Científica del departament ECM, Barcelona Supercomputing Center, Spain, February, 6, 2009.
- 56. "What are the possible observable effects of the space-like part of freeze-out hypersurface?" - Poster - The 21st International Conference on Ultrarelativistic Nucleus-Nucleus Collisions "Quark Matter 2009", Knoxville, Tennessee, USA, March 30 - April 4, 2009.
- 57. "Highlights from Quark Matter 2009" - Talk - Informal Meeting on Strings and Heavy Ion Collisions, Barcelona, May 5-6, 2009
- 58. "The (K-,p) reaction on C12 at KEK" - Talk - XXXIX International Symposium on Multiparticle Dynamics (ISMD 2009), "Gold Sands", Gomel Region, Belarus, September 4-9, 2009.
- 59. "Is the Cooper-Frye freeze out prescription a good practical scheme?" - Talk - Bogolyubov Kyiv Conference "Modern Problems of Theoretical and Mathematical Physics", Kyiv, Ukraine, September 15-18, 2009.
- 60. "The in-flight C12 (K-,p) reaction at KEK" - Invited Talk - International Workshop "Hadronic Atoms and Kaonic Nuclei - solved puzzles, open problems and future challenges in theory and experiment", ECT*, Trento, Italy, October 12-16, 2009.
- 61. "Dual model for J/Ψ photo- and electroproduction" - Invited Talk - International Workshop "Diffraction and electromagnetic processes at the LHC", ECT*, Trento, Italy, January 4-8, 2010.
- 62. "Experimental status of deeply bound kaonic states in nuclei" - Invited Talk - International Workshop on Chiral Symmetry in Hadrons and Nuclei (Chiral10), Valencia, Spain, June 21-24, 2010.
- 63. "Latest results for the antikaon-nucleon optical potential" - Talk - The 21st European Conference on the Few-Body problems in Physics (EFB21), Salamanca, Spain, August 29 - September 3, 2010.
- 64. "On the A dependence of the K^* production in nuclei" - Invited Talk - Joint Workshop JSPS Core-to-Core Seminar and EU SPHERE Network Meeting, Prague, Czech Republic,

September 4-6, 2010.

- 65. "Initial state fluctuations and their effect on the flow" - Poster - The 22nd international Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (Quark Matter 2011), Annecy, France, May 23-28, 2011
- 66. "Directed flow at ALICE@LHC" - Invited Talk - Dual year Russia-Spain "Particle Physics, Nuclear Physics and Astroparticle Physics", Barcelona, Spain, Nov 8-11, 2011.

Other Presentations

- 1. "Two-Module Model for Relativistic Heavy Ion Collisions" - Invited Seminar - Center for Physics of Fundamental Interactions, Instituto Superior Tècnico, Lisboa, Portugal, February 16, 2001.
- 2. "Phase Transitions in Nuclear Matter and how to observe them in Heavy Ion Collisions" - pre PhD defense Public Lecture - University of Bergen, Norway, August 24, 2001.
- 3. "Multi Module Model for Relativistic Heavy Ion Collisions" (russian) - Invited Seminar - Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine, September 12, 2001.
- 4. "High Energy Physics: Modern Problems and Perspectives" (russian) - Public Lecture - High school Nr 14, Kiev, Ukraine, September 17, 2001.
- 5. L.L. Jenkovszky/ V.K. Magas - "Parton-hadron duality and JLab (CEBAF) ep -scattering data" (russian) - Invited Seminar - Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine, January 9, 2002.
- 6. "Multi Module Modeling of Ultra-Relativistic Heavy Ion Collisions" - Invited Seminar - Department of Astrophysics, Particle Physics, Nuclear Physics and Instrumentation (DAPNIA), Commissariat à l'Énergie Atomique (CEA), Paris, France, June 27, 2002.
- 7. "Multi Module Modeling of Ultra-Relativistic Heavy Ion Collisions" - Seminar - Instituto de Fica Corpuscular (IFIC), Valencia, Spain, November 28, 2003.
- 8. "Off mass shell dual amplitude with Mandelstam analyticity" (russian) - Invited Seminar - Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine, December 24, 2003.
- 9. "Off mass shell Dual Amplitudes and DIS Structure Functions" - Invited Seminar - Physics Department, Calabria University, Cosenza, Calabria, Italy, May 10, 2004.
- 10. "Modeling of the freeze out in a finite layer" - Invited Seminar - Physics Department, University of Florence, Florence, Italy, May 14, 2004.
- 11. "Studying nuclear matter phase diagram and hadron modifications in the medium" - Invited Seminar - Department of Physics, Indiana University, Bloomington, IN, USA, April 21, 2005.
- 12. "Hydrodynamical Modeling of Heavy Ion Collisions and Freeze Out" - Seminar - Departament d'Estructura i Constituents de la Materia, University of Barcelona, Spain, February 22, 2006.
- 13. "Freeze out in hydrodynamical simulations of the ultra-relativistic heavy ion collisions" - Seminar - Departament d'Estructura i Constituents de la Materia, University of Barcelona, Spain, October 30, 2007.
- 14. " K^- absorption in nuclei" - Invited Seminar - Physics Department, University Complutense de Madrid, Spain, October 10, 2008.
- 15. "Introduction to relativistic heavy ion collisions" - Lecture course (4 hours) - Faculty of Physics, University of Barcelona, Spain, November 25 - December 2, 2008.

- 16. "Two and three nucleon K^- absorption in nuclei: are there deeply bound kaonic nuclear states?"- Invited Seminar - Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine, February 19, 2009.
- 17. "Deeply bound antikaon states in nuclei: new era in nuclear physics or false sensation"- Invited Seminar - Department of Physics and Technology, University of Bergen, Norway, May 21, 2010.
- 18. "Ultra-relativistic heavy ion collision modelling: predictions for LHC"- Invited Seminar - Physics Department, University of Murcia, Spain, March 10, 2011.