

4 LIST OF PUBLICATIONS

4.1 Books

- b1 Introduction to Relativistic Kinetic Theory, L.P. Csernai and D.Strottman, Chapter 1 in: Relativistic Heavy Ion Physics, ed. by L.P. Csernai and D.D. Strottman, (World Scientific, 1991) Vol I, pp. 1-37.
- b2 Introduction to Relativistic Heavy Ion Collisions, L. Csernai, (John Wiley & Sons, 1994) ISBN-471-93420-8.
- b3 Relativistic Heavy Ion Physics — L. P. Csernai and D. D. Strottman (eds.), (World Scientific, 1991) Vol I, ISBN 981-02-05368, in the series: International Review of Nucl. Phys., vol. 5, 1991.
- b4 Relativistic Heavy Ion Physics — L. P. Csernai and D. D. Strottman (eds.), (World Scientific, 1991) Vol II, ISBN 981-02-05376, in the series: International Review of Nucl. Phys., vol. 6, 1991.
- b5 Proceedings of the Int. Workshop on Applicability of Relativistic Hydrodynamical Models in Heavy Ion Physics, May 12-16, 1997, ECT*, Trento, Italy, ed.: L.P. Csernai, *Heavy Ion Physics*, **Volume 5** (1997)
- b6 Introduction to Relativistic Heavy Ion Collisions, L.P. Csernai, (Csernai Consult, Bergen, 2008) Corrected electronic edition <http://home.broadpark.no/ccsernai/Csernai-textbook.pdf>
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4.2 List of publications in Scientific Journals

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5. Einfluss des Kontinuums auf die Verteilung von Dipolstaerke im 60Ni; L.P. Csernai, H.W. Barz, Zentralinstitut für Kernforschung, Dresden Publication **ZfK-350** (1978) 66.
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7. Mathematical model for the self-organization of neural networks; L.P. Csernai, J. Zimányi, *Biological Cybernetics* **34** (1979) 49.
8. On the relativistic hydrodynamical description of energetic heavy ion reactions; L.P. Csernai, B. Lukács, J. Zimányi, *Lettere al Nuovo Cimento* **27** (1980) 89-108.
9. Threshold states in schematic models; H.W. Barz, L.P. Csernai, *Nucl. Phys.* **A340** (1980) 143.
10. Spherical and linear fluid dynamical models for relativistic heavy ion collisions; L.P. Csernai, H.W. Barz, *Z. Phys.* **A296** (1980) 173.
11. Über den Zusammenhang zwischen Lebensdauer, Konstitution und Information; L. Péntzes, L.P. Csernai, *Z. für Altersforschung* **35** (1980) 285.
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- 17. Nuclear fluid dynamics versus intranuclear cascade- Possible evidence for collective flow in central high energy nuclear collisions; H. Stöcker, C. Riedel, Y. Yariv, L.P. Csernai, G. Buchwald, G. Graebner, J. Maruhn, W. Greiner, K. Frankel, M. Gyulassy, B. Schürmann, G. Westfall, J.D. Stevenson, J.R. Nix, D. Strottman, *Phys. Rev. Lett.* **47** (1981) 1807.
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- c62. Experimental Observables and the Nuclear Equation of State - invited talk - L.P. Csernai, International School of Physics "Enrico Fermi", Course on Trends in Nuclear Physics, Course CIII, **Varenna**, Italy, June 23 - July 3, 1987, (MSUCL- 623/1987); eds.: P. Kienle, R.A. Ricci and A. Rubbino, (Nort-Holland, 1989) pp. 112-133.
- c63. Collective transverse flow in high energy heavy ion collisions - invited talk - L.P. Csernai, TPI Workshop on High Temperature QCD and Relativistic Many Body Theory, **Minneapolis**, Oct. 8-10, 1987 (unpublished).
- c64. Scaling properties of the collective flow - Contributed talk - L.P. Csernai, Proc. of the 8th High Energy Heavy Ion Study and Bevalac Users' Meeting, Nov. 16-20, 1987, **Berkeley CA**
- c65. Fluid Dynamical Models of Ultrarelativistic Heavy Ion Reactions - Invited Talk - L.P. Csernai, XI Nordic meeting on Particle Physics, **Spåtind Mt.** Hotel, Norway, Jan. 9-15, 1988, (unpublished).
- c66. Fluid Dynamical Model of Ultrarelativistic Heavy Ion Collisions, - Invited Talk -; L.P. Csernai, M. Gong, and D. Strottman, Proc. of the Winter Workshop on Nuclear Dynamics V., **Sun Valley**, Idaho, USA, Feb. 22-26, 1988, (MSU 1989) page 113.
- c67. Scaling Behaviour of Physical Observables, A. Bonasera, L.P. Csernai, and B. Schürmann, Proc. Int. Workshop on Gross Properties of Nuclei and Nuclear Interactions, XVI. **Hirschegg**, Austria, Jan. 18-22, 1988, Ed. by H. Feldmeier, p. 250.
- c68. Recent Advances in Intermediate Energy Nuclear Physics - Invited Talk - at the plenary session of the Annual Meeting of the Norwegian Physical Society, **Oslo**, June 13-16, 1988 (Unpublished).
- c69. Fluid dynamical model of high energy heavy ion collisions - invited talk - L.P. Csernai, Int. Workshop on Heavy Ion Physics (NEFIM), **Budapest**, June 16-22, 1988 (unpublished).
- c70. The Nuclear Equation of State - invited lectures - Int. Summer School on Nuclear Dynamics, **Dronten**, The Netherlands, Aug. 8-21, 1988, In "New Aspects of Nuclear Dynamics" (Plenum, New York, 1989) eds.: J. H. Koch and P. K. A. de Witt Huberts, p. 183.
- c71. Pion Rapidity Distributions in Ultra-relativistic Heavy Ion Collisions - invited talk - L. P. Csernai, M. Gong and D. D. Strottman, Int. Workshop on Nuclear Dynamics at Medium and High Energies, **Bad Honnef**, W. Germany, Oct. 10-14, 1988, Bergen Scientific/Technical Rep. No. 196/1988
- c72. Transverse - momentum and rapidity distributions of pions and baryons in heavy ion collisions - invited talk - The 8th Nordic Meeting on Intermediate and High Energy Nuclear Physics, **Geljo**, Norway, Jan. 3-7,

1989, Unpublished.

- c73. What can we learn from p-T distributions in relativistic nuclear collisions - invited talk - NATO Advanced Study Institute, International Advanced Course on “The Nuclear Equation of State”, **Peníscola**, Spain, May 21 - June 3, 1989; Proc.: “The Nuclear Equation of State, Part B: QCD and the Formation of the Quark-Gluon Plasma” (W. Greiner, and H. Stöcker, eds.) (Plenum, 1990) p. 369-384.
- c74. Fluid dynamical model of ultra-relativistic heavy ion collisions - invited talk - L.P. Csernai, Int. Workshop on Heavy Ion Physics (NEFIM), **Budapest**, June 12-16, 1989 (unpublished).
- c75. Entropy production in the relativistic heavy ion collisions - invited talk - A. K. Holme, P. Lévai, G. Papp, L. P. Csernai, Proc. of the 6th Nordic Meeting on Nuclear Physics, **Kopervik**, Norway, Aug. 10-15, 1989; Univ. of Bergen, Phys. Dept., Sci. Tech. Report 212/1989; Physica Scripta, **T32** (1990) 155.
- c76. The freeze-out problem in fluid dynamics - invited talk - P. Lévai, G. Papp, E. Staubo, A.K. Holme, D. Strottman and L.P. Csernai, In Proc. of the Int. Workshop on Gross Properties of Nuclei and Nuclear Excitations XVIII, **Hirschegg**, Kleinwalsertal, Austria, Jan. 15-20, 1990 (TH Darmstadt, 1990) p. 90.
- c77. Collective Flow at Ultra-relativistic Energies - invited talk - L. P. Csernai, Proc. of Sixth Winter Workshop on Nuclear Dynamics, **Jackson Hole** Wyoming, USA, Feb. 17-24, 1990 - (LBL- 28709, Berkeley 1990) page 123.
- c78. Monte-Carlo calculation of energy flow, transverse momenta and strangeness in hadronic and nuclear collisions - invited talk - N.S. Amelin, L.P. Csernai, K.K. Gudima, and V.D. Toneev; Proc. of the 4th Workshop on Experiments and Detectors, **Brookhaven Nat. Lab.**, Upton, New York, USA, July 2-7, 1990. Univ. of Bergen, Dept. of Physics, Scientific/Technical Report No. 233/1990.
- c79. Rapidity and transverse momentum distributions from fluid dynamics and from a string Monte-Carlo model; - invited talk - N.S. Amelin and L.P. Csernai; Proc. of the Int. Workshop on Correlations and Multiparticle Production, (CAMP), **Marburg**, Germany, May 14-16, 1990. (World Scientific, 1991) p. 290.
- c80. One-fluid calculations of ultra-relativistic heavy ion collisions - invited talk - E.F. Staubo, A. K. Holme, L. P. Csernai, and D. Strottman, Proc. of the 6th Nordic Meeting on Nuclear Physics, **Kopervik**, Norway, Aug. 10-15, 1989; Univ. of Bergen, Phys. Dept., Sci. Tech. Report 216/1989; Physica Scripta, **T32** (1990) 190.
- c81. Heavy Ion Collisions and the Equation of State - lecture - L.P. Csernai, - NUK Student Course of the Norwegian Research Council for Science and Humanities, **Bergen**, Norway, November 6-7, 1990 (unpublished).
- c82. Monte-Carlo Cascade and Hydrodynamical Models of Ultra-relativistic Heavy Ion Collisions, - invited talk - L.P. Csernai, N.S. Amelin, E.F. Staubo, and D. Strottman, Proc. of the 7th Winter Workshop on Nuclear Dynamics, **Key West**, Florida, Jan. 26 - Feb. 2, 1991. Univ. of Bergen, Phys. Dept., Sci. Tech. Report 1991-03; (World Scientific, 1991) p 288.
- c83. Comparison of Quark Gluon String Models and Hydrodynamical Models of Ultra-relativistic Heavy Ion Collisions, - invited lectures - L.P. Csernai, at the Workshop on Hard QCD Probes of Dense Nuclear and Hadronic Matter, with the Institute of Nuclear Theory, University of Washington, **Seattle**, Oct. 1, 1990 - Jan. 30, 1991. (unpublished).
- c84. Momentum-Dependent Mean Field and the Nuclear Equation of State, L.P. Csernai, G. Fai, C. Gale, E. Osnes, Kent State Univ. preprint, No. KSUCNR-007-91 (1991), Proc. of the 7th Winter Workshop on Nuclear Dynamics, **Key West**, Florida, Jan. 26 - Feb. 2, 1991. (World Scientific, 1991) p. 147.
- c85. Reaction models for Ultra-relativistic Collisions, - invited talk - L.P. Csernai, N.S. Amelin, E.F. Staubo, and D. Strottman, Proc. of the 7th Adriatic Int. Conf. on Nuclear Physics: Heavy Ion Physics — Today and Tomorrow, **Islands of Brioni**, Croatia, Yugoslavia, May 27 - June 1, 1991, Univ. of Bergen, Phys. Dept., Sci./Tech. Report 1991-14; (World Scientific, 1991) p. 341.
- c86. Reaction models for Ultra-relativistic Heavy Ion Collisions, - invited talk - L.P. Csernai, N.S. Amelin, E.F. Staubo, and D. Strottman, GSI Heavy Ion Physics Workshop, **Darmstadt**, Germany, May 13 - 14, 1991, (unpublished)
- c87. Hadron - quark phase transition with the momentum dependent Yukawa interaction for hadrons, L.P. Csernai, G. Fai, C. Gale, Gy. Kluge, V.K. Mishra and E. Osnes, Kent State University report. KSUCNR-009-91 (1991), and U. of Minnesota, TPI report - TPI - MINN 34/91 - T , in Proc. of the Int. Workshop on Relativistic Heavy Ion Physics at Present and Future Accelerators, **Budapest**, June 17 - 21, 1991.
- c88. Thermodynamics, transverse flow and time evolution in semi inclusive π^\pm , K^\pm and p^\pm production at $\sqrt{s} = 1.8$ TeV; T. Alexopoulos, C. Allen, E.W. Anderson, H. Areti, S. Banerjee, H.W. Barz, P.D. Beery, N.N. Biswas, A. Bujak, D.D. Charmony, T. Carter, Y. Choi, P. Cole, L.P. Csernai, R.J. De Bonte, A.R. Erwin, J.R. Jennings, A.T. Goshaw, L.J. Gutay, A.S. Hirsch, C. Hojvat, V.P. Kenney, C.S. Lindsey, J.M. Losecco, T. McMahon, A.P. McManus, N. Morgan, K.S. Nelson, S.H. Oh, J. Piekarczyk, N.T. Porile, D. Reeves, R.P. Scharenberg, S.R. Stampke, B.C. Stringfellow, M.A. Thompson, F. Turkot, W.D. Walker, C.H. Wang, and

- D.K. Wesson; Proc. of the 7th Winter Workshop on Nuclear Dynamics, **Key West**, Florida, Jan. 26 - Feb. 2, 1991. (World Scientific, 1991) p. 258.
- c89. Momentum-Dependent Mean Field and the Nuclear Equation of State, G. Fai, L.P. Csernai, C. Gale, E. Osnes, Talk at the Hungarian - Norwegian - US - Triangle workshop, **Lake Balaton**, Hungary, June 10-15, 1991. (unpublished)
 - c90. Reaction models for Ultra-relativistic Heavy Ion Collisions, L.P. Csernai, N.S. Amelin, E.F. Staubo, and D. Strottman, Talk at the Hungarian - Norwegian - US - Triangle workshop, **Lake Balaton**, Hungary, June 10-15, 1991. (unpublished)
 - c91. The Quark-Gluon String Model, N.S. Amelin, E.F. Staubo, D. Strottman, and L.P. Csernai, Talk at the Hungarian - Norwegian - US - Triangle workshop, **Lake Balaton**, Hungary, June 10-15, 1991. (unpublished)
 - c92. Hadron-quark phase transition with the momentum-dependent Yukawa interaction for hadrons, L.P. Csernai, G. Fai, C. Gale, Gy. Kluge, V.K. Mishra, and E. Osnes, - talk presented at the Workshop on Relativistic Heavy Ion Physics at Present and Future Accelerators, **Budapest**, Hungary, June 17-21, 1991, Minnesota preprint TPI-MINN- 91/34 -T, and (CRIP, 1992).
 - c93. Collectivity in Ultra-Relativistic Heavy Ion Collisions, N.S. Amelin, L.P. Csernai, E.F. Staubo, and D. Strottman - Talk presented at the 9th int. Conf. Quark Matter '91, **Gatlinburg**, Tennessee, USA, Nov. 11-15, 1991, *Nucl. Phys.* A544 (1992) 463c.
 - c94. Comparative analysis of strangeness production at AGS-BNL energies and SPS energies, N.S. Amelin, E.F. Staubo and L.P. Csernai; - Talk - Strange Quark Matter, **Århus**, Denmark, May 20-24, 1991; *Nucl. Phys.* B24 (Proc. Suppl.) (1991) 269.
 - c95. Dynamics of High Energy Heavy Ion Collisions, N.S. Amelin, L.P. Csernai, E.F. Staubo, and D. Strottman - Paper 1.A.1, abstracts, North-West Europe Nuclear Physics Conference, **Edinburgh** Scotland, 31 March - 3 April, 1992. (The Institute of Physics, London, 1992) p. 13.
 - c96. Nucleation in relativistic first-order phase transitions, L.P. Csernai and J.I. Kapusta, Contributed Talk, North-West Europe Nuclear Physics Conference, **Edinburgh** Scotland, 31 March - 3 April, 1992. (unpublished).
 - c97. Hadronization of the Quark-Gluon Plasma, L.P. Csernai, J.I. Kapusta, Gy. Kluge, E.E. Zabrodin, Invited talk — 7th Nordic Meeting on Nuclear Physics, **Vigso** Kurssenter, Denmark, Aug. 17-21, 1992, Vol. of Contributions (University of Aarhus, 1992) p. 76.
 - c98. Dynamics of the Hadronization of the Quark-Gluon Plasma, L.P. Csernai, J.I. Kapusta, Gy. Kluge, E.E. Zabrodin, Talk at the 2nd Hungarian - Norwegian - US - Triangle workshop, **Budapest**, Hungary, Aug. 10-13, 1992; (CRIP, 1992, Report No. KFKI-1992-35/A).
 - c99. Global Characteristics of Relativistic Heavy-Ion Collisions at SPS, RHIC and LHC energies in String Fusion Model — L.V. Bravina, N.S. Amelin, M.A. Braun, L.P. Csernai and C. Pajares Talk at the 2nd Hungarian - Norwegian - US - Triangle workshop, **Budapest**, Hungary, Aug. 10-13, 1992; (CRIP, Report No.: KFKI-1993-11/A) p. 52.
 - c100. Relativistic Hydrodynamics and Flavor Flow - L.P. Csernai - invited lectures at the NATO Advanced Study Institute on "Particle Production in Highly Excited Matter", **Il Ciocco**, Italy, July 12-24, 1992. (Plenum, NATO ASI ser., 1993) p. 295.
 - c101. Relativisztikus nehézion reakciók dinamikája - invited talk - L.P. Csernai - at the 3rd Hungarian World Congress, Scientific Sections, **Budapest** Aug. 14-18, 1992. (BME, 1992) p. FM 5.
 - c102. Hadronization of the Quark-Gluon Plasma, - L.P. Csernai, - Talk at the NFS Teoretikermøte, **Utstein Kloster**, Norway, Nov. 13-15, 1992, unpublished.
 - c103. Fluid Dynamical Predictions for Au+Au Collisions at AGS - invited talk - L. Bravina, L.P. Csernai, P. Lévai, and D. Strottman, - at the Int. Conf. Heavy-Ion Physics at the AGS: HIPAGS '93, Jan. 13-15, 1993, (MIT **Boston**, Massachusetts, USA, 1993) p.333.
 - c104. Nucleation and Hadronization in Quark-Gluon Plasma - - invited talk - L.P. Csernai, J.I. Kapusta, Gy. Kluge, and E.E. Zabrodin - at the Gross Properties of Nuclei and Nuclear Excitations Int. Workshop XXI, **Hirschegg**, Kleinwalsertal, Austria, Jan. 18-23, 1993. (TH- Darmstadt, 1993) p.221.
 - c105. On the hadron formation time in pion-nucleus interactions, - L. V. Bravina, N. S. Amelin, L. P. Csernai, V. L. Korotkih, L. I. Sarycheva, S. Yu. Sivoklov, - Proc. of the Gross properties of Nuclei and Nuclear Excitations XXI, **Hirschegg**, Austria, January 18 - 23, 1993, Ed. by H. Feldmeier, Darmstadt 1993, p. 253-255.
 - c106. Monte-Carlo quark gluon string model for hadron-hadron, hadron- nuclear and nuclear-nuclear collisions at high energies, - L. V. Bravina, N. S. Amelin, L. P. Csernai, V. D. Toneev, S. Yu. Sivoklov, - Talk presented at the Norsk Fysisk Selskap Meeting, **Utstein kloster** (Norway), November 13-15, 1992. (unpublished)

- c107. Strangeness production in heavy ion collisions at CERN energies, - L. V. Bravina, N. S. Amelin, L. P. Csernai, V. D Toneev, S. Yu. Sivoklokov, - Talk presented at the 10th Nordic Meeting on Intermediate and High Energy Nuclear Physics, **Gräftåvallen**, Sweden, January, 5-9, 1993.
- c108. Different schemes of QGP hadronization, - L.P. Csernai, J.I. Kapusta, G. Kluge, E.E. Zabrodin, - Talk presented at Norsk Fysisk Selskap Meeting , **Utstein kloster** (Norway), November, 13-15, 1992.
- c109. Different scenarios of the first-order phase transition in relativistic heavy ion collisions. - L. P. Csernai, J. I. Kapusta, G. Kluge, E. E. Zabrodin, - Talk presented at 10th Nordic Meeting on Intermediate and High Energy Nuclear Physics, **Gräftåvallen**, (Sweden), January, 5-9, 1993.
- c110. Nucleation in QGP and Hadronization in Heavy Ion Reactions, - L.P. Csernai, - Invited talk at the ITP Conference on Strong Interactions at Finite Temperature, **Santa Barbara**, (California, USA), Aug. 16-20, 1993. (unpublished).
- c111. Quark-Gluon Plasma freeze-out in a supercooled state? - T. Csörgő and L.P. Csernai, - Invited talk at the Workshop on Pre-equilibrium Parton Dynamics in Heavy Ion Collisions, Lawrence Berkeley Laboratory, **Berkeley**, (California, USA), Aug. 23- Sept. 3, 1993. Univ. of Bergen Sci./Tech. report, 1993-10. (LBL, Berkeley, 1993). (hep-ph/9312330)
- c112. Phase transition dynamics in QGP hadronization, - E.E. Zabrodin, L.P. Csernai, J.I. Kapusta and Gy. Kluge, - Talk presented at the 10th int. Conf. Quark Matter '93, **Borlänge**, Sweden, June 20-24, 1993, *Nucl. Phys.* A566 (1994) 407c.
- c113. Fluid Dynamics and Quark Gluon String Model - What we can expect for Au + Au collisions at AGS?, - L.V. Bravina, N.S. Amelin, L.P. Csernai, P. Levai and D. Strottman, - Talk presented at the 10th int. Conf. Quark Matter '93, **Borlänge**, Sweden, June 20-24, 1993, *Nucl. Phys.* A566 (1994) 461c.
- c114. Relativistic nuclear fluid dynamics — L.P. Csernai, L.B. Bravina, T. Csörgő, P. Lévai, D.D. Strottman and E.E. Zabrodin - invited lectures at the NATO Advanced Study Institute on “Particle Production in Highly Excited Matter”, **Bodrum**, Turkey, Sept. 25 - Oct. 9, 1993, (Plenum, NATO ASI series B **335**, 1994) p. 181
- c115. Freeze out and Hadronization - L.P. Csernai and T. Csörgő, - invited talk, Tenth Winter Workshop on Nuclear Dynamics, 16-22 January, 1994, **Snowbird**, Utah, USA. (World Scientific, Singapore, 1994) p. 111.
- c116. “Relativistic Dynamics of Nuclear Fluids and QGP Hadronization” - L.P. Csernai - Invited Lecture Series at the Study Workshop on “Modeling Heavy Ion Reactions”, 3-14 May, 1994, China Center of Advanced Science and Technology (CCAST - World Laboratory), **Beijing**, P.R. China (unpublished).
- c117. “Dynamics of relativistic nuclear fluids and phase transitions” - L.P. Csernai - Invited talk at the European Research Conference on “Physics of High Energy Heavy Ion Collisions”, June 17-22, 1994, **Vuosaari**, Finland (unpublished).
- c118. “Introduction to relativistic heavy ion collisions” - L.P. Csernai - Invited lecture series at the “Nord-PLUS Summer Course on Heavy Ion Collisions”, June 6-16, 1994, **Jyväskylä**, Finland; (based on [b2].)
- c119. “Introduction to relativistic heavy ion collisions” - L.P. Csernai - Invited lecture series at the “International Ph.D. School on Quarks and Heavy Ion Physics”, Aug. 16-24, 1994, Bolyai College, R. Eötvös University, **Budapest**, Hungary; (based on [b2].)
- c120. “Rapid hadronization from quark-gluon plasma” - L.P. Csernai and T. Csörgő, - Invited talk at the “Budapest Workshop on Quarks and Heavy Ion Physics”, [also the “4th Hungarian-Norwegian-US Triangle meeting on Nuclear Theory”], Aug. 25-28, 1994, Bolyai College, R. Eötvös University, **Budapest**, Hungary; (unpublished)
- c121. “Nuclear Fluid Dynamics and QGP Hadronization” - L.P. Csernai - Invited talk at the “Hadrons - 94”. In Proc. of the X-th Int. Workshop on Soft Physics (strong interactions at large distances) **Uzhgorod**, Ukraine, Sept. 7-11, 1994, (Inst. of Theoretical Physics, Ukrainian Academy of Sciences, 1994) ed. by G. Bugrij, L. Jenkovszky and E. Martynov, p. 134.
- c122. “Simultaneous Freeze-out and Hadronization” - L.P. Csernai - Invited lecture at the “Hot and Dense Nuclear Matter” programme of the Institute for Nuclear Theory, **Seattle**, WA, USA, Oct. 25, 1994. (unpublished.)
- c123. “Violation of Collective Flow Scaling at AGS Energies” - L.V. Bravina and L.P. Csernai, - Invited talk at the “Budapest Workshop on Quarks and Heavy Ion Physics”, [also the “4th Hungarian-Norwegian-US Triangle meeting on Nuclear Theory”], Aug. 25-28, 1994, Bolyai College, R. Eötvös University, **Budapest**, Hungary; (unpublished)
- c124. “Violation of the collective transverse flow scaling at AGS energies”, L.V. Bravina and L.P. Csernai - - poster - at the European Research Conference on “Physics of High Energy Heavy Ion Collisions”, June 17-22, 1994, **Vuosaari**, Finland.

- c125. “Strangeness production in relativistic heavy ion collisions at SPS” - L.V. Bravina, N.S. Amelin and L.P. Csernai, contributed talk presented at the Int. Symp. on Strangeness and Quark Matter, Sept. 1-5, 1994, **Krete**, Greece.
- c126. “Microscopic Mechanisms of Rapid Hadronization” - L.P. Csernai, I.N. Mishustin and Á. Mócsy - invited lecture - Proc. Int. Workshop: Strangeness in Hadronic Matter, S’95, **Tucson**, Arizona, USA, Jan. 4-6, 1995. Ed.: J. Rafelski, (AIP, 1995) p. 419.
- c127. “Simultaneous Hadronization and Freeze-out in Supercooled Quark-gluon Plasma” - L.P. Csernai, I.N. Mishustin and Á. Mócsy, - contributed talk - 8th Nordic Meeting on Nuclear Physics, **Gräftevallen**, Sweden, Jan. 4-8, 1995 (unpublished.)
- c128. “Hadronization Pictures” - L.P. Csernai, - invited talk - Proc. Int. Workshop: Strangeness in Hadronic Matter, S’95, **Tucson**, Arizona, USA, Jan. 4-6, 1995. Ed.: J. Rafelski, (AIP, 1995) p. 379.
- c129. “Fast Hadronization of QGP and its Signals at ALICE” - L.P. Csernai, - invited talk - ALICE - N meeting, **Lund**, Sweden, May 9-10., 1995, unpublished.
- c130. “Freeze-out in relativistic heavy ion collisions” - invited talk - L.V. Bravina, I.N. Mishustin, N.S. Amelin, J.P. Bondorf and L.P. Csernai, at the Int. Workshop on Pionic Processes and Transport in Hadronic Matter, **Los Alamos**, New-Mexico, USA, July 24-28, 1995, unpublished.
- c131. “Fast hadronization of QGP” - invited talk - L.P. Csernai, I.N. Mishustin, and Á. Mócsy, at the Int. Workshop on Pionic Processes and Transport in Hadronic Matter, **Los Alamos**, New-Mexico, USA, July 24-28, 1995, unpublished.
- c132. “On Signals of Quark-Gluon Plasma Freeze-Out” - T. Csörgő and L.P. Csernai, - invited talk - Proc. Int. Workshop: Strangeness in Hadronic Matter, S’95, **Tucson**, Arizona, USA, Jan. 4-6, 1995. Ed.: J. Rafelski, (AIP, 1995) p. 382. (hep-ph/9503397)
- c133. Hadron chemistry in rapid hadronization - invited talk - L.P. Csernai, I.N. Mishustin, and A. Mocsy, 210th American Chemical Society National Meeting, **Chicago**, IL, USA, Aug. 20 - 24, 1995, - Abstract Book, Part 2, ISBN-0-8412-3222-9 (American Chem. Soc., Chicago, IL 1995) p. NUCL036.
- c134. Fast hadronization of quark-gluon plasma - invited talk - L.P. Csernai, I.N. Mishustin, and A. Mocsy, Proc. of 4th Int. Workshop on Relativistic Aspects of Nuclear Physics, **Rio de Janeiro**, Brazil, Aug. 28-30, 1995, (World Scientific, 1996) 137.
- c135. Relativistic Nucleus-Nucleus Collisions - invited review talk - L.P. Csernai, J.P. Bondorf, L.V. Bravina, P. Lévai, I.N. Mishustin, Á. Mócsy, and D.D. Strottman, XVII Reunião de Trabalho em Física Nuclear no Brasil, **Águas de Lindóia** SP, Brazil, Sept. 2-6, 1995, unpublished.
- c136. “Nuclear Fluid Dynamics and QGP Hadronization” - L.P. Csernai - Invited talk at the “Hadrons - 94”. In “Strong interactions at Long Distances” ed. by L.L. Jenkovszky (Hardronic Press, Palm Harbour, FL USA, 1995, ISBN: -0-911767-99-1), proc. of Int. Workshop Hadrons’94, **Uzhgorod**, Ukraine, Sept. 7-11, 1994, -p. 309-320.
- c137. Fast Hadronization of Quark-Gluon Plasma - invited talk - L.P. Csernai, I.N. Mishustin, Á. Mócsy, D. Molnár, Feng Zhonghan, Proc. Int. Conf. on Nuclear Physics at the Turn of the Millennium: Structure of Vacuum and Elementary Matter, **Wilderness/George** South Africa March 10-16, 1996. (World Scientific, 1997) p. 443.
- c138. Quark-Gluon Plasma - invited plenary talk - L.P. Csernai, North-West Europe, Nuclear Physics Conference, Vrije Universiteit, **Amsterdam** 16-19 April, 1996 Book of Abstracts of Plenary Sections (Vrije U., 1996) p. 34.
- c139. Rapid hadronization and strangeness production - invited talk - L.P. Csernai, T.S. Biró, Z.H. Feng, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, Proc. Int. Conf. Strangeness ’96, **Budapest**, Hungary May 15-17, 1996; Heavy Ion Phys. **4** (1996) 45.
- c140. Rapid hadronization in quark-gluon plasma - Poster Presentation - L.P. Csernai, T.S. Biró, Z.H. Feng, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, Int. Conf. Quark Matter ’96 **Heidelberg**, Germany, May 20-24, 1996; (unpublished).
- c141. Hadronization of quark-gluon plasma - Invited talk - L.P. Csernai, T.S. Biró, Z.H. Feng, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, in Proc. Int. Conf. Hadrons ’96, **Novi Svet** (Crimea) Ukraine, June 9-16, 1996, (Bogoljubov Inst. of Theor. Physics, Ukrainian Acad. Sci., 1996) p. 265.
- c142. Hadronization of QGP in Heavy Ion Reactions - Invited talk - L.P. Csernai, T.S. Biró, Z.H. Feng, S. Jeon, J.I. Kapusta, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, Int. Workshop on Disoriented Chiral Condensates, ECT*, **Trento**, Italy, Oct. 21-25, 1996. (unpublished)
- c143. Time scales and non-equilibrium aspects of phase transitions in heavy ion collisions - invited talk - L.P. Csernai, T.S. Biró, Z.H. Feng, S. Jeon, J.I. Kapusta, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, Int. Workshop on Phase transitions (PT’96), **Copenhagen** Nov. 27-30, 1996, (unpublished).

- c144. Phase transitions in linear sigma model - Poster - L.P. Csernai, T.S. Biró, Z.H. Feng, S. Jeon, J.I. Kapusta, I.N. Mishustin, Á. Mócsy, D. Molnár and O. Scavenius, Int. Workshop on Phase transitions (PT'96), **Copenhagen** Nov. 27-30, 1996, (unpublished).
- c145. Freeze-out in relativistic heavy ion collisions at 160 A GeV/c - Poster - L. Bravina, I. Mishustin, J. Bondorf and L.P. Csernai, Int. Workshop on Phase transitions (PT'96), **Copenhagen** Nov. 27-30, 1996, (unpublished).
- c146. Fluctuations and dissipation in field theories - invited talk - L.P. Csernai, S. Jeon and J.I. Kapusta, Proc. Int. Workshop on QCD Phase Transitions, **Hirschegg**, Kleinvalsertal, Austria, Jan. 12-18, 1997, eds. H. Feldmeier, J. Knoll, W. Nörenberg and J. Wambach (GSI Darmstadt, 1997) p. 158-167.
- c147. Fast hadronization of supercooled quark-gluon plasma - invited talk - L. Csernai, "1997 RHIC/INT Winter Workshop: Hadronic Signals of New Physics at RHIC" 20-22 February 1997, LNBL **Berkeley**, CA, USA, (unpublished).
- c148. Beyond the Navier-Stokes Equation: Including Random Thermal Fluctuations, Zs. I. Lázár, L.P. Csernai, S. Jeon, J.I. Kapusta, I.A. Lázár and D. Molnár, Proc. Int. Workshop on Applicability of Relativistic Hydrodynamical Models in Heavy Ion Physics, **Trento**, Italy, May 12-18, 1997; *Heavy Ion Phys.* **5** (1997) 333.
- c149. Freeze-out in Relativistic Heavy Ion Collisions at SPS, L.V. Bravina, I.N. Mishustin, J. Bondorf and L.P. Csernai, Proc. Int. Workshop on Applicability of Relativistic Hydrodynamical Models in Heavy Ion Physics, **Trento**, Italy, May 12-18, 1997; *Heavy Ion Phys.* **5** (1997) 455.
- c150. Idealized Freeze-out in Relativistic Fluid Dynamical Models, L.P. Csernai, Zs.I. Lázár and D. Molnár, Proc. Int. Workshop on Applicability of Relativistic Hydrodynamical Models in Heavy Ion Physics, **Trento**, Italy, May 12-18, 1997; *Heavy Ion Phys.* **5** (1997) 467.
- c151. Fluid Dynamics and Heavy Ion Reactions, — invited plenary talk — L.P. Csernai, F. Grassi, Y. Hama, and Zs.I. Lázár, Proc. of 5th Int. Workshop on Relativistic Aspects of Nuclear Physics, **Rio de Janeiro**, Brazil, August 27-29, 1997. ed. by T. Kodama et al. (World Scientific) 245.
- c152. Disoriented Chiral Condensate Formation from a Canonical Ensemble of Initial States, — Poster Presentation — D. Molnár, L.P. Csernai, and Zs.I. Lázár, Quark Matter '97, **Tsukuba**, Japan, Dec. 1-5, 1997. (unpublished).
- c153. Canonical ensemble of initial conditions for DCC fluctuations, Dénes Molnár, László P. Csernai and Zsolt I. Lázár, Proc. of the Int. Workshop on Correlations and Fluctuations '98, **Mátraháza**, Hungary, June 18-24, 1998, Eds. T. Csörgö, et al., (World Scientific, 1999) p. 204.
- c154. Collective Flow: Recent Developments, - invited plenary talk -, L.P. Csernai, 9th Nordic Meeting on Nuclear Physics, **Jyväskylä**, Finland, August 4-8, 1998. Book of Abstracts (JYFL, 1998) p. 0.10
- c155. Event by Event Fluid Dynamics, - invited talk -, L.P. Csernai, Zs.I. Lázár, I.A. Lázár, D. Molnár and D.D. Strottman, Workshop on Event by Event Physics in Relativistic Heavy Ion Collisions, **Trento**, Italy, Sept. 21-26, 1998. (CERN Internal Distribution, 1998).
- c156. Fluid Dynamical Description of Relativistic Heavy Ion Collisions - invited talk -, L.P. Csernai, Zs.I. Lázár, I.A. Lázár, V. Magas, D. Molnár and D.D. Strottman, - Int. Symposium on 'Nuclear Shapes and Motions', **Santa Fe**, October 25-27, 1998. In Honor of Ray Nix. (unpublished).
- c157. Directed Flow and QGP Signatures - invited talk -, L.P. Csernai, - Int. Workshop on Fluctuations and Freeze Out in Fluid Dynamics, FFF '98, **Bergen**, Nov. 12-14, 1998 (unpublished).
- c158. Hadronization and Freeze-Out - invited talk -, L.P. Csernai, - Int. Workshop (PT98) on Phase Transitions in Nuclear Collisions, NBI/NORDITA, **Copenhagen**, Nov. 18-21, 1998 (unpublished).
- c159. Supercooling of Rapidly expanding Quark-gluon Plasma, - talk -, EE. Zabrodin, L.V. Bravina, L.P. Csernai, H. Stocker, W. Greiner, 9th Nordic Meeting on Nuclear Physics, **Jyväskylä**, Finland, August 4-8, 1998. Book of Abstracts (JYFL, 1998) p. 4.7.
- c160. Fluctuation and Dissipation in Discretized Fluid Dynamics, Zs. Lázár, L.P. Csernai D. Molnár, and I.A. Lázár, Proc. of the Int. Workshop on Correlations and Fluctuations '98, **Mátraháza**, Hungary, June 18-24, 1998, Eds. T. Csörgö, et al., (World Scientific, 1999) p. 539.
- c161. Freeze-out in Hydrodynamical Models in Relativistic Heavy Ion Collisions, V.K. Magas, Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner Y. Hama, T. Kodama, Zs. Lázár and H. Stöcker, Proc. of the XIV Int. Conf. on Ultra-Relativistic Nucleus- Nucleus Collisions, Quark Matter '99, **Torino**, Italy May 10-15, 1999. *Nucl. Phys.* **A661** (1999) 596-599.
- c162. Freeze-out in Hydrodynamical Models in Relativistic Heavy Ion Collisions, V.K. Magas, Cs. Anderlik, L.P. Csernai, F. Grassi, W. Greiner Y. Hama, T. Kodama, Zs. Lázár and H. Stöcker, Proc. of the XIV Int. Conf. on Ultra-Relativistic Nucleus- Nucleus Collisions, Quark Matter '99, **Torino**, Italy May 10-15, 1999. *Nucl. Phys.* **A661** (1999) 596-599.

- c163. QGP signal as a third collective flow pattern, - invited talk - L.P. Csernai, Cs. Anderlik, V.K. Magas, D. Rohrlich, - Workshop on Flow and Strangeness Production in Heavy Ion Collisions from Relativistic to Ultra-relativistic Energies, **Obernai**, France, Sept. 27-28, 1999, published electronically:
http://ireswww.in2p3.fr/ires/obernai/liste_talks.html
- c164. Structure of the elliptic flow as a QGP signal, - invited talk - L.P. Csernai, Cs. Anderlik, V.K. Magas, D. Rohrlich, RHIC 2000 Workshop, **Park City**, Utah, USA, Mar. 11-18, 2000. Published electronically:
<http://theo08.nsl.msu.edu/RHIC2k/proceedings.htm>
- c165. The source of elliptic flow and initial conditions for hydrodynamical calculations, V.K. Magas, L.P. Csernai, and Daniel D. Strottman, - talk at Crimea Summer Seminar on New Trends in High-Energy Physics, Yalta, **Crimea**, Ukraine, May 27 - June 4, 2000, Published electronically: nucl-th/0009049.
- c166. Initial conditions for hydrodynamical calculations for RHIC energies, L.P. Csernai, V.K. Magas, and Daniel D. Strottman, - talk at the Berkeley Summer Workshop on Heavy Ion Physics, **Berkeley**, California, July 20 - 29, 2000, unpublished.
- c167. Phase transitions in high energy heavy ion collisions within fluid dynamics, invited talk at the Symp. on Fundamental Issues in Elementary Matter, **Bad Honnef**, Germany, Sept. 25-29, 2000, L.P. Csernai, Cs. Anderlik and V. Magas, Proc. Symp. on Fundamental Issues in Elementary matter, ed. by W. Greiner, (EP Systema, Debrecen, 2001) p. 77-88; *Heavy Ion Phys.* **14** (2000) 83-95, nucl-th/0010023.
- c168. Initial state for hydro models at RHIC/LHC Energies and the third flow component - invited talk -, L.P. Csernai, at the "Mini Workshop on Heavy Ion Reaction Dynamics", Nov. 6-8, 2000, **Minneapolis**, MN, USA. (unpublished)
- c169. The source of the "Third Flow Component", V.K. Magas, L.P. Csernai and D.D. Strottman, Proc. of 30th International Symposium on Multiparticle Dynamics, October 9 - 15, 2000, **Tihany**, Lake Balaton, Hungary, (World Scientific, Singapore, 2001) p. 523, hep-ph/0101125
- c170. Initial equilibrated energy distribution at at RHIC/LHC energies and its consequences (in Hungarian) , L.P. Csernai, V.K. Magas and D.D. Strottman, invited talk - at the Workshop on "Hungarian High Energy Nuclear Physics at the beginning of XXIth century", March 27-28, 2001, **Budapest**, Hungary. (unpublished).
- c171. The Scientific Program of Bergen Computational Physics Laboratory, - talk -, L.P. Csernai, - held at the "BCPL User Meeting", March 22-24, 2001, **Trento**, Italy (unpublished).
- c172. "Excitement at high pressure and temperature" - invited tutorial lecture, L.P. Csernai, North West Europe - Nuclear Physics Conference, April 17-22, 2001, **Bergen**, Norway, (unpublished).
- c173. Experience with Visitors at the Bergen Computational Physics Laboratory and at the Bergen Marie Curie Training Site for Theoretical Physics, - invited participation and brief contribution -, L.P. Csernai, - at the EU Conference "An Enlarged Europe for Researchers", June 27-28, 2001, **Brussels**, Belgium (unpublished).
- c174. "Modeling Relativistic Nuclear Collisions" - invited talk, L.P. Csernai, C. Anderlik, V.K. Magas, and D. Strottman, - at the "Colloque International sur la Physique du Plasma de Quarks et de Gluons", **Paris**, Palaiseau, France, l'Ecole Polytechnique, Sept. 4-8, 2001. Published electronically:
<http://polywww.in2p3.fr/CIPPQG/trans/> and in Proc. Int. Workshop on the Physics of the Quark-Gluon Plasma, (Les editions de l'Ecole Polytechnique, 2002) p. 75-80.
- c175. "Relativistic Hydrodynamics" - invited tutorial lecture, L.P. Csernai, Int. Conf. on Strange Quarks in Matter 2001, Sept. 22-29, 2001, **Frankfurt am Main**, Germany. Published electronically:
<http://www.th.physik.uni-frankfurt.de/sqm2001/talks/Montag/csernai1/csernai1.html>
- c176. "Post Freeze Out Hadron Abundances, Reaction Dynamics and Hadronization Models" - invited talk, L.P. Csernai, Int. Conf. on Strange Quarks in Matter 2001, Sept. 22-29, 2001, **Frankfurt am Main**, Germany. Published electronically:
<http://www.th.physik.uni-frankfurt.de/sqm2001/talks/Dienstag/csernai2/csernai2.html> and J. Phys. **G28** (2002) 1993.
- c177. "Multi Module Model for Ultra-relativistic Heavy Ion Collisions", - V.K. Magas, L.P. Csernai and D. Strottman, inv. talk at the Int. Conf. on New Trend in High Energy Physics, **Yalta**, Crimea, Ukraine, Sept. 22-29, 2001. (hep-ph/0110347 and Published in *Yalta 2001, New trends in high-energy physics* 193-200.)
- c178. "The Academia Europaea on the Web" - invited talk - L.P. Csernai, Int. Workshop on "Virtuality" at the Istituto Veneto di Scienze, Lettere ed Arti - November 16-18, 2001, **Venezia**, Italy (unpublished).
- c179. "Hydrodynamics for Modeling Ultra-Relativistic Heavy Ion Reactions" - invited lecture series- L.P. Csernai, Pan-American Advanced Study Institute on "New States of Matter in Hadronic Reactions", **Campos do Jordao** SP, Brasil, Jan. 7-18, 2002. Proc.: AIP Conference Proceedings Volume 631 - NEW STATES OF MATTER IN HADRONIC INTERACTIONS: Pan American Advanced Study Institute, ed.

by H.-Thomas Elze, Erasmo M. Ferreira, Takeshi Kodama, Jean Letessier, Johann Rafelski, and Robert L. Thews, ISBN 0-7354-0086-5, (American Institute of Physics, 2002) pp. 428-459. Published also electronically: <http://proceedings.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=631&Issue=1>

- c180. "Initial conditions for RHIC collisions", V.K. Magas, L.P. Csernai and D.D. Strottman, Proc. Int. Workshop on Gross Properties of Nuclei and Nuclear Excitations XXX, Ultrarelativistic Heavy Ion Collisions, **Hirschegg**, Austria, Jan. 13-19, 2002. (TU Darmstadt, 2002) in press, (hep-ph/0202118)
- c181. QGP hydrodynamics for RHIC energies - invited talk - L.P. Csernai, Cs. Anderlik, A. Keranen, V.K. Magas, J. Manninen and D. Strottman, at the Int. Workshop on Quark and Hadron Dynamics in Relativistic Heavy Ion Collisions, March 3-7, 2002, **Budapest**, Hungary; in "Budapest 2002 Workshop on Quark and Hadron Dynamics" ed by P. Levai (EP Systema, Debrecen, Hungary) ISBN 963 202 787 6, pps. 83-91.
- c182. "Report on BCPLs Research Activity" - talk - Laszlo P. Csernai, at the "BCPL User Meeting" **Trento**, Italy, March 8-9, 2002. (unpublished).
- c183. "Technical Review Report on BCPLs Research Activity" - Laszlo P. Csernai, European Commission, DG Research, **Brüssels**, Belgium, June 7, 2002. (unpublished).
- c184. Anisotropic flow of strange particles in heavy-ion collisions at RHIC energies, L.V. Bravina, L.P. Csernai, A. Faessler, C. Fuchs and E.E. Zabrodin, Int. Conf. on Strange Quarks in Matter 2001, Sept. 22-29, 2001, **Frankfurt am Main**, Germany. Published electronically: <http://www.th.physik.uni-frankfurt.de/sqm2001/talks/> and *J. Phys.* **G28** (2002) 1977.
- c185. QCD hydrodynamics for LHC and RHIC, L.P. Csernai, Cs. Anderlik, O. Heggo-Hansen, A. Nyiri, K. Tamosiunas, E. Molnar, Z. Lazr, V. Magas, D. Molnar, A. Keranen, J. Manninen, F. Grassi, Y. Hama, T. Kodama, H. Stcker, W. Greiner, D.D. Strottman, - Proc. of NATO Advanced Research Workshop on "Diffraction, 2002", Interpretation of the New Diffractive Phenomena in Quantum Chromodynamics and in the S-matrix theory, **Alushta**, Crimea, Ukraine, Aug. 31 - Sept. 5, 2002, Edited by R. Fiore, et al., (Kluwer Academic Publishers, Dodrecht, NL, 2003), ISBN 1-4020-1306-X, page 143-154.
- c186. HADRONIZATION AND FREEZE OUT FROM SUPERCOOLED QGP, V.K. Magas, L.P. Csernai, M.I. Gorenstein. **Alushta**, Crimea, Ukraine, Aug. 31 - Sept. 5, 2002, Published in "Alushta 2002, Multiparticle dynamics" pp. 154-157.
- c187. PHI MESON PRODUCTION AT RHIC, L. Bravina, L. Csernai, A. Faessler, C. Fuchs, S. Panitkin, Nu Xu and E. Zabrodin, Talk given at Quark Matter 2002 (QM 2002), **Nantes**, France, 18-24 Jul 2002. (hep-ph/0208161)
- c188. "Report on BCPLs Research Activity and Plans" - talk - Laszlo P. Csernai, at the "BCPL User Meeting" **Trento**, Italy, March 26-30, 2003. (unpublished)
- c189. Collective flow in violent collisions, Laszlo P. Csernai - Invited talk given at the 10th Nordic Meeting on Nuclear Physics **Oslo**, Norway, May 12-16, 2003.
- c190. Phase transitions and fluctuations in mesoscopic systems, L.P. Csernai, V.K. Magas, J. Pipek and D.D. Strottman, Invited plenary talk at the "Idea-Finding Symposium" for the Frankfurt Institute for Advanced Studies", **Frankfurt am Main**, Germany, April 15-17, 2003. Proc. of the Idea-Finding Symposium, Frankfurt Institute for Advanced Studies, Ed. by Walter Greiner and Joachim Reinhardt, EP Systema, Debrecen, Hungary, 2004, ISBN 963 214 398 1, (2004) p. 47-55.; and Published electronically: <http://www.physik.uni-frankfurt.de/symposium/talks/csernai.ppt>
- c191. Flow effects and their measurable consequences in ultra-relativistic heavy-ion collisions - invited talk, L.P. Csernai, at the int. conf. on "Topics in Heavy Ion Collisions, 2003" **Montreal**, Canada, June 25-28, 2003. Published electronically: <http://www.physics.mcgill.ca/HIC03/>
- c192. Phase Transitions in High-Energy Heavy Ion Collisions (I) (II), - invited lectures, L.P. Csernai, A. Anderlik, Cs. Anderlik, A. Keranen, V.K. Magas, J. Manninen, E. Molnar, A. Nyiri, B.R. Schlei, D.D. Strottman, K. Tamosiunas, NATO ASI, **Kemer**, (Antalya) Turkey, Sep 22 - Oct 2, 2003, in Proc. of the NATO ASI on Structure and Dynamics of Elementary Matter, Camyuva-Kemer (Antalya), Turkey; ed. by W. Greiner, M.G. Itkis, J. Reinhardt and M. Cem Guclu, ISBN 1-4020-2445-2, p. 127. and Published electronically: <http://www.physik.uni-frankfurt.de/asi/talks.html> and hep-ph/0401005
- c193. Multi module modelling of heavy ion Collisions, - invited talk, L.P. Csernai, et al., at the "Collective flow and QGP properties" RIKEN-BNL workshop, **Brookhaven**, USA, Nov 17-19, 2003, Published electronically: <http://tonic.physics.sunysb.edu/flow03/program.html>
- c194. Collective flow effects at RHIC, L.P. Csernai - invited talk at the 3rd BUDAPEST WINTER SCHOOL ON HEAVY ION PHYSICS, Dec. 8 - 11, 2003, **Budapest**, Hungary, Published electronically: <http://www.hef.kun.nl/novakt/school03/>
- c195. "Multi Module Models for Heavy Ion Reactions" - invited Poster presentation - L.P. Csernai, A. Anderlik, Cs. Anderlik, . Hegg-Hansen, J. Manninen, E. Molnár, A. Nyiri, D. Rhrich, and K. Tamosiunas, V.K. Magas, D.D. Strottman, B. Schlei, F. Grassi, Y. Hama, T. Kodama, H. Stcker, and W. Greiner, at

The Seventeenth International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (Quark Matter 2004), in **Oakland**, California, USA, from January 11 - 17, 2004.

- c196. "The 3rd flow component: a sign of QGP" - invited talk, L.P. Csernai, A. Anderlik, Cs. Anderlik, O. Heggo-Hansen, E. Molnár, A. Nyiri, D. Röhrich, K. Tamosiunas, V.K. Magas, A. Keranen, J. Manninen, B. Schlei and D.D. Strottman, at the: CMA Workshop on Computational advances in the nuclear many-body problem, **Oslo**, Norway, 11-13 March 2004, (unpublished)
- c197. "The 3rd flow component as a QGP signal" - invited talk, L.P. Csernai, A. Anderlik, Cs. Anderlik, O. Heggo-Hansen, E. Molnár, A. Nyiri, D. Röhrich, and K. Tamosiunas, Proc. of the INTERNATIONAL WORKSHOP ON HOT AND DENSE MATTER IN RELATIVISTIC HEAVY IONCOLLISIONS, March 24-27, 2004, **Budapest**, Hungary, Ed. by G. Wolf, EP Systema, Budapest, ISBN 9632175395, (2005) p. 1-6., (hep-ph/0405277)
- c198. The 3rd Flow component, and collective flow measurables, invited talk,- Laszlo P. Csernai, International Workshop on Creation and Flow of Baryons in Hadronic and Nuclear Collisions, ECT*, **Trento**, Italy, 3-7 May 2004, (unpublished).
- c199. "Multi-Module Modeling of Heavy Ion Reactions and the 3rd Flow Component" - invited talk - L.P. Csernai, A. Anderlik, Cs. Anderlik, V.K. Magas, E. Molnár, A. Nyiri, D. Röhrich, and K. Tamosiunas, IX Hadron Physics and VII Relativistic Aspects of Nuclear Physics: A Joint Meeting on QCD and QGP, **Angra dos Reis, Rio de Janeiro**, Brazil, March 31, 2004, Published in: AIP Conference Proceedings, Vol. 739, (2004), ISBN 0 7354 0223 X, Ed. by E. Ferreira and T. Kodama, p. 330-346. and (hep-ph/0408183).
- c200. "Cancelling Juttner Distributions for Space-like Freeze-out", - contribution - K. Tamosiunas, L.P. Csernai, J. Manninen, E. Molnar and A. Nyiri, IX Hadron Physics and VII Relativistic Aspects of Nuclear Physics: A Joint Meeting on QCD and QGP, **Angra dos Reis, Rio de Janeiro**, Brazil, March 31, 2004; Published in: AIP Conference Proceedings, Vol. 739, (2004), ISBN 0 7354 0223 X, Ed. by E. Ferreira and T. Kodama, p. 652-657. Published electronically: <http://www2.uerj.br/hadron2004/contrib.htm>
- c201. "Modified Boltzmann Transport Equation" - invited talk, V.K. Magas, L.P. Csernai, E. Molnár, A. Nyiri and K. Tamosiunas, Proc. of the 18th Nuclear Physics Division Conf. of the EPS on "Phase transitions in strongly interacting matter", **Prague**, 23.8.-29.8. 2004, Nucl. Phys. A **749** (2005) 202-205.
- c202. "On the actual tasks of the Physics Section" - contribution to section meeting - Academia Europea Annual Conference "Europe in Change", 2-4 Sept. 2004, **Helsinki**, Finland. (unpublished.)
- c203. "Hydrodynamics: Overview" - invited summary talk - L P Csernai, E Molnar, A Nyiri and K Tamosiunas, Proc. of the 8th Int. Conf. "SQM2004", on "STRANGENESS IN QUARK MATTER" **Cape Town**, South Africa, 15-20 September, 2004, J. Phys. G: Nucl. Part. Phys. 31 (2005) S951-S957. Published electronically: <http://hep.phy.uct.ac.za/sqm2004/program.shtml>
- c204. On various descriptions of freeze-out and hadronization - invited talk - L.P. Csernai, at the "4th BUDAPEST WINTER SCHOOL ON HEAVY ION PHYSICS, Dec. 1 - 3, 2004, **Budapest**, Hungary. Published electronically: <http://www.hef.kun.nl/novakt/school04/>
- c205. Collective Phenomena in Heavy Ion Collisions - plenary contributed talk - Á Nyíri, L P Csernai, E Molnár and K Tamosiunas, Proc. of the 8th Int. Conf. "SQM2004", on "STRANGENESS IN QUARK MATTER" **Cape Town**, South Africa, 15-20 September, 2004, J. Phys. G in press. Published electronically: <http://hep.phy.uct.ac.za/sqm2004/program.shtml>
- c206. Modeling of Boltzmann Transport Equation for Freeze-Out - plenary contributed talk - K. Tamosiunas, L.P. Csernai, V.K. Magas, E. Molnár, A. Nyiri, Proc. of the 8th Int. Conf. "SQM2004", on "STRANGENESS IN QUARK MATTER" **Cape Town**, South Africa, 15-20 September, 2004, J. Phys. G in press. Published electronically: <http://hep.phy.uct.ac.za/sqm2004/program.shtml>
- c207. Collective Phenomena in Heavy Ion Collisions, -invited talk - Á. Nyíri and L.P. Csernai - invited talk - Proc. of the INTERNATIONAL WORKSHOP ON HOT AND DENSE MATTER IN RELATIVISTIC HEAVY IONCOLLISIONS, March 24-27, 2004, **Budapest**, Hungary, Ed. by G. Wolf, EP Systema, Budapest, ISBN 9632175395, (2005) p. 191-200.
- c208 Relativistic Hydrodynamics and Freeze-out for Heavy Ion Reactions L.P. Csernai - invited talk - Workshop on Heavy Ion Reaction Theory, Bogolyubov Inst. for Theoretical Physics, **Kiev**, Ukraine, July 28-31, 2005. (unpublished)
- c209. Relativistic Hydrodynamics and Freeze-out, L.P. Csernai, - invited tutorial talk - Quark Matter 2005 conference, **Budapest**, Hungary, August 3, 2005. Published electronically: http://qm2005.kfki.hu/program_all.pshtml
- c210. 3-dim. QGP fluid dynamics and flow observables - invited talk - L.P. Csernai, at the Workshop on QUARK-GLUON-PLASMA THERMALIZATION, TU Wien, **Vienna**, Austria, 10-12 August, 2005. Published electronically: <http://hep.itp.tuwien.ac.at/gqpth05/>

- c211. "Elmleti nehzi ion fizika" [Theoretical Heavy Ion Physics] L.P. Csernai - Entry lecture - as External Member of the Hungarian Academy of Sciences, **Budapest**, Hungary, Dec. 16, 2005. (under publication)
- c212. "Properties of the Quantum Fluid at RHIC", L.P. Csernai, J.I. Kapusta and L. McLerran, - Invited plenary talk at the International Conference on Strangeness in Quark Matter 2006 (SQM2006), held from March 26-31, 2006 at the University of California, **Los Angeles** (UCLA), USA. (Published in the proceedings)
- c213. "Three Decades of Collective Flow", L. P. Csernai - Invited plenary talk at the International Symposium on Heavy Ion Physics 2006, April 3 - April 6, 2006, **Frankfurt am Main**, Germany (Published in the proceedings)
- c214. "The perspectives of the Physics and Engineering Section" - L.P. Csernai - contribution to section meeting - Academia Europea Annual Conference "Brain, Matter and Mind", 21-24 Sept. 2006, **Budapest**, Hungary. (unpublished.)
- c215. "Relativistic Computational Fluid Dynamics and Modular Modeling" - L.P. Csernai - invited Keynote Talk - International Conf. on Computational Methods in Modern Physics, **Cluj**, Romania, Nov. 1-4, 2006.
- c216. Fluid Dynamics as Diagnostic Tool for Heavy Ion Collisions, - Laszlo P. Csernai - 19th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (QM2006) **Shanghai**, China, November 14-20, 2006.
- c217. "Flow measurables from 3D Fluid-Dynamics, and the role of Freeze Out", - M. Zetenyi and L.P. Csernai, - inv. talk - WINTER SCHOOL ON HEAVY ION PHYSICS, Dec. 11 - 13, 2006 **Budapest**, Hungary (unpublished.)
- c218. Quark Number Scaling of Elliptic flow - Yun Cheng, M. Zetenyi and L.P. Csernai, - invited talk - International Workshop on "Numerical and Conceptual Issues in Relativistic Hydrodynamics" 16-19 April, 2007, **Frankfurt am Main**, Germany (Published electronically: <http://th.physik.uni-frankfurt.de/~ncrh/talks/>)
- c219. Advances in Three-Dimensional Relativistic Hydro PIC Codes V. Magas, L.P. Csernai, B. Schlei, D. Strottman - invited talk - International Workshop on "Numerical and Conceptual Issues in Relativistic Hydrodynamics" 16-19 April, 2007, **Frankfurt am Main**, Germany, Published electronically - <http://th.physik.uni-frankfurt.de/~ncrh/talks/>
- c220. Smoothing the initial state for RH: Hubble-like expansion without initial Bang - Volodymir Magas - invited talk - International Workshop on "Numerical and Conceptual Issues in Relativistic Hydrodynamics" 16-19 April, 2007, **Frankfurt am Main**, Germany (Published electronically - <http://th.physik.uni-frankfurt.de/~ncrh/talks/>)
- c221. Questions about viscosity - Laszlo Csernai - invited talk - International Workshop on "Numerical and Conceptual Issues in Relativistic Hydrodynamics" 16-19 April, 2007, **Frankfurt am Main**, Germany (Published electronically - <http://th.physik.uni-frankfurt.de/~ncrh/talks/>)
- c222. Stable first order special relativistic dissipative hydrodynamics - Peter Van - invited talk - International Workshop on "Numerical and Conceptual Issues in Relativistic Hydrodynamics" 16-19 April, 2007, **Frankfurt am Main**, Germany; Published electronically: <http://th.physik.uni-frankfurt.de/~ncrh/talks/>
- c223. "Collective Symmetries and Asymmetries in ultra-relativistic heavy ion collisions" -invited talk - L.P. Csernai - Advanced Studies Institute "SYMMETRIES AND SPIN" (ASI), SPIN-Praha-2007, July 8-14, 2007, **Prague**, Czech Republic (unpublished).
- c224. "The projects of the Physics and Engineering Section" - L.P. Csernai - contribution to section meeting - Academia Europea Annual General Meeting "The Dialogue of Three Cultures and our European Heritage", 2-5 Sept. 2007, **Toledo**, Spain. (unpublished.)
- c225. Relativistic Shocks and other Discontinuities - L.P. Csernai - invited talk - International Symposium - "Complex Systems in Physics and Beyond" November 30 - December 1, 2007, FIAS, **Frankfurt am Main**, Germany (Published electronically - <http://fias.uni-frankfurt.de/complex07/talks/>)
- c226. Mach cones at central LHC collisions via MACE - Bjorn Bauchle, Horst Stocker, Laszlo P. Csernai, Jul 2007. 2pp. - Contributed to Workshop on Heavy Ion Collisions at the LHC: Last Call for Predictions, **Geneva**, Switzerland, 14 May - 8 Jun 2007. e-Print: arXiv:0707.0054 [nucl-th]
- c227. Hydrodynamical models in heavy ion collisions - invited lectures - L.P. Csernai - Summer School on Heavy ion Collisions 2008, L. Etsv University, **Budapest** July 4-9, 2008 (unpublished).
- c228. Collective flow analysis of heavy ion collisions with 3-dim ultra-relativistic hydro - talk - L.P. Csernai, Yun Cheng, S. Horvat, E. Molnar, V.K. Magas, D.D. Strottman, M. Zetenyi - Workshop on Heavy Ion Physics, China Institute of Atomic Energy, **Beijing**, 12-16 October, 2008 - Unpublished
- c229. "The Last Year Activity of the Physics and Engineering Section" - L.P. Csernai - contribution to THE section meeting - Academia Europea 20th Annual General Meeting "Promoting a Global Science Culture", 18-20 Sept. 2008, **Liverpool**, UK. (unpublished.)

- c230. Effect of Freeze-out and Hadronization on Flow in ultrarelativistic HIC - talk - M. Zetenyi, Yun Cheng, L.P. Csernai, V.K. Magas, D.D. Strottman, Workshop on Heavy Ion Physics, China Institute of Atomic Energy, **Beijing**, 12-16 October, 2008 - Unpublished
- c231. Hadronization and Freeze Out in Ultra-relativistic Collisions - invited plenary talk - L.P. Csernai, Yun Cheng, S. Horvat, V.K. Magas, E. Molnar, D.D. Strottman, M. Zetenyi, - International Symposium on Heavy Ion Physics 2008, GSI **Darmstadt**, 17-20 Nov. 2008 - Published electronically:
<http://www.gsi.de/documents/DOC-2008-Nov-240-1.pdf>
- c232. LHC and matter of its extreme, relativistic heavy ion collisions, theoretical challenges - invited plenary talk - L.P. Csernai, Yun Cheng, Dan Strottman, M. Zetenyi - International Conference "From quarks to the nuclear many-body Problem", **Oslo**, May 21-24, 2008 - Unpublished
- c233. V₁ Flow for Diagnosing Ultra-relativistic Heavy Ion Collisions - invited Plenary talk - L.P. Csernai, Yun Cheng, S. Horvat, V.K. Magas, E. Molnar, D.D. Strottman, M. Zetenyi - VIII International Workshop on Relativistic Aspects of Nuclear Physics (RANP08), **Rio de Janeiro** 2-7 Nov. 2008 - published electronically:
[http://omnis.if.ufrj.br/ranp/ranp/36 L. Csernai/A-Csernai-Rio-08-Talk.ppt](http://omnis.if.ufrj.br/ranp/ranp/36_L_Csernai/A-Csernai-Rio-08-Talk.ppt)
- c234. Flow diagnostics of equilibrium and transport in QGP - invited talk - L.P. Csernai, Yun Cheng, S. Horvat, V.K. Magas, E. Molnar, D.D. Strottman, M. Zetenyi - Hadron Physics I3 - Nuclear Physics Workshop, **Villasimius, Sardinia**, Italy, Sept. 8-12, 2008 - published electronically:
<http://www-subatech.in2p3.fr/EuropeanNetworkinSardinia/Csernai.pdf>
- c235. Collective flow analysis with 3-dim ultra-relativistic hydro - invited plenary talk - L.P. Csernai, Yun Cheng, S. Horvat, V.K. Magas, E. Molnar, D.D. Strottman, M. Zetenyi - Int. Conf. on Strangeness in Quark Matter (SQM2008) - **Beijing**, 6-10 October, 2008 - Published electronically and in J. Phys. G: Nucl. Part. Phys. 36 (2009) 064032.
- c236. Fluid Dynamical modeling of Heavy Ion Reactions - L.P. Csernai - invited plenary talk - 3rd Nordic "LHC and Beyond" Workshop, - **Lund**, 2-3 Feb. 2009 - published electronically:
[http://indico.cern.ch/materialDisplay.py?contribId=13 &sessionId= &materialId=slides &confId=50807](http://indico.cern.ch/materialDisplay.py?contribId=13&sessionId=&materialId=slides&confId=50807)
- c237. "The Last Year Activity of the Physics and Engineering Section" - L.P. Csernai - contribution to the section meeting - Academia Europea 21st Annual General Meeting "Risk, Environment and Sustainable Development", 24-26 Sept. 2008, **Naples**, Italy. (unpublished.)
- c238. Quarkyonic matter from hydro and rapid freeze out - invited plenary talk - L.P. Csernai, Yun Cheng, S. Horvat, V.K. Magas, I.N. Mishustin, E. Molnar, D. Strottman, M. Zetenyi - 5th International Workshop on Critical Point and Onset of Deconfinement - CPOD 2009, June 08 - 12 2009, Brookhaven National Laboratory, **Upton, Long Island**, New York, USA - published electronically:
<http://quark.phy.bnl.gov/karsch/talks/Tue/Csernai.pdf> and *Proceedings of Science* (CPOD 2009) 022.
- c239. Collective flow in ultra-relativistic collisions - invited talk - L.P. Csernai, Yun Cheng, V.K. Magas, I.N. Mishustin, E. Molnar, D. Strottman - The 10th International Conference on Nucleus-Nucleus collisions, August 16-21, 2009, **Beijing**, China.
- c240. Quarkyonic Matter and Constituent Quark Number Scaling, L.P. Csernai, Yun Cheng, V.K. Magas, I.N. Mishustin, E. Molnar, D. Strottman, - invited talk - at the 'Flow and dissipation in ultrarelativistic Heavy Ion Collisions' Workshop at ECT* **Trento**, Italy, September 14 - 18, 2009. Published electronically:
<http://th.physik.uni-frankfurt.de/huovinen/ect/Thursday/A-Csernai-Ternto-2009.pdf>.