

TALKS GIVEN AT INTERNATIONAL CONFERENCES, INVITED SEMINARS, POSTER PRESENTATIONS
(LÁSZLÓ ÁRPÁD GERGELY)

- 2012 *Gravitational lensing by black holes in alternative gravity theories* (colloquium)
Max Planck Institute for Radioastronomy & University of Bonn, Germany
- 2012 *Gravitational lensing by black holes in alternative gravity theories*
University of Malta, Valetta, Malta:
Black Holes in a Violent Universe 5th Working Groups Meeting:
“Black Holes: From Quantum To Gravity”
- 2012 *Gravitational lensing in alternative gravity theories*
University of Braşov, Faculty of Mathematics, Braşov, Romania
- 2011 *Testing general relativity with laser accelerated electron beams*
LEI 2011 – Light at Extreme Intensities, Szeged, Hungary
- 2011 *Gravitational lensing in alternative gravity theories* (invited talk)
Université Montpellier 2, France: Cosmology Workshop Montpellier11, Cosmology and Astroparticles
- 2011 *Mass ratios and the final spin in supermassive black hole mergers*
INAF, Istituto di Radioastronomia, Bologna, Italy:
Black Holes in a Violent Universe 3rd Working Groups Meeting:
“Primordial Black Holes and how to grow Black Holes”
- 2011 *Do supernovae favor tachyonic Big Brake instead of de Sitter?*
University of Hong Kong, Hong Kong, China
- 2011 *Supermassive black hole mergers and their gravitational radiation*
University of Hong Kong, Hong Kong, China
- 2010 *Supermassive black hole mergers and their gravitational radiation* (special colloquium)
Max Planck Institute for Radioastronomy & University of Bonn, Germany
- 2010 *SpinQuadTaylor: Quadrupole-monopole and self-spin contributions included in the gravitational waveform*
Krakow, Poland: LSC-Virgo Collaboration Meeting (oral presentation + poster LIGO-G1000823-v2)
- 2010 *Coalescing supermassive black hole binaries and their gravitational radiation: The birth of X-shaped radio galaxies*
University of Pécs, Hungary: Roland Eötvös Physical Society Meeting
University of Szeged, Hungary: Physics Student’s Teahouse Seminar
- 2010 *Supermassive black hole binaries (2 h)*
Current status and open problems in brane-world gravity (2 h)
Balatonyörök, Hungary: International Balaton Summer School of Physics, General Relativity and Astrophysics section
- 2010 *Current status and open problems in brane-world gravity* (invited plenary lecture)
University Babes-Bolyai, Cluj-Napoca, Romania:
7-th Bolyai-Lobachevsky-Gauss International Conference on Non-Euclidian Geometry and its Applications
- 2010 *Supermassive black hole binaries*
Max Planck Institute for Radioastronomy, Germany:
Black Holes in a Violent Universe 1st Working Groups Meeting
[http://www.mpifr-bonn.mpg.de/div/meetings/COST1stWGMeeting/pdf-files/WG4_Gergely.pdf]
- 2010 *Black hole binaries and their gravitational radiation* (invited seminar)
Universita degli Studi di Napoli Federico II, Italy
- 2010 *Supermassive black hole spin-flip during the inspiral* (poster + short oral presentation)
University Sapienza, Rome, Italy: 14th Gravitational Wave Data Analysis Workshop GWDAW14

- [<http://agenda.infn.it/getFile.py/access?contribId=119&sessionId=10&resId=0&materialId=poster&confId=1157>]
- 2010 *Compact binary waveform recovery from the cross-correlated data of two detectors by matched filtering with spinning templates* (poster + short oral presentation)
University Sapienza, Rome, Italy: 14th Gravitational Wave Data Analysis Workshop GWDAW14
[<http://agenda.infn.it/getFile.py/access?contribId=120&sessionId=10&resId=1&materialId=poster&confId=1157>]
- 2009 *Do supernovae favor tachyonic Big Brake instead de Sitter?* (invited talk)
Université Montpellier 2, France: Cosmology Workshop Montpellier09, Cosmology and Astroparticles
- 2009 *Black holes* (fellow seminar)
Institute of Advanced Study, Collegium Budapest, Hungary
[<http://www.colbud.hu/programme/calendar/event.shtml?cmd%5B8%5D=i-8-4b662f4bf0405c5b36156c93fc84328e>]
- 2009 *Research in gravitation at Szeged*
Balatonlelle, Hungary: Hungarian Astronomer's Meeting in the International Year of Astronomy
- 2009 *Spinning waveform immersed in LIGO-like noise recovered with spinning templates*
Eötvös Loránd University LSC-VIRGO September 2009 Meeting
- 2009 *3+1+1 dimensional covariant gravitational dynamics*
University of Szczecin, Poland: Grassmannian Conference in Fundamental Cosmology (Grasscosmofun'09)
[http://cosmo.fiz.univ.szczecin.pl/pliki/grasscosmofun/talks/L_Gergely/GrassCosmoFun_3+1+1.pdf]
- 2009 *Variable tension brane-world models*
Paris, France: the 12th Marcel Grossmann Meeting
- 2009 *Super-massive black hole binary mergers (1.5 h)*
Brane-world physics (1 h)
Tachyon cosmology, supernovae data and the Big Brake singularity (1 h)
Balatonyörök, Hungary: Balaton Summer School of Physics: from Quarks to Galaxies
- 2009 *Spin contributions to the momentum transport by gravitational waves from inspiralling compact binaries* (poster presentation)
Columbia University, New York, USA: 8th Edoardo Amaldi Conference on Gravitational Waves
[http://7168223078989316519-a-1802744773732722657-s-sites.googlegroups.com/site/amaldi8posters2/posters/Poster_5_Gergely.pdf]
- 2009 *Recovering a spinning waveform from spinning templates* (poster presentation)
Columbia University, New York, USA: 8th Edoardo Amaldi Conference on Gravitational Waves
[http://7168223078989316519-a-1802744773732722657-s-sites.googlegroups.com/site/amaldi8posters2/posters/Poster_58_Mezzaros.pdf]
- 2009 *Tachyon cosmology, supernovae data and the Big Brake singularity*
Paris, France: Invisible Universe Conference
Calgary, Alberta, Canada: 13th Canadian Conference on General Relativity and Relativistic Astrophysics
- 2009 *Super-massive black hole binary mergers*
Banff, Alberta, Canada: Black Holes VII, Theory and Mathematical Aspects
- 2009 *Tachyon cosmology, supernovae data and the Big Brake singularity* (invited seminar)
University of Köln, Germany: Relativity Seminar
University of Szeged, Hungary: Seminar in Theoretical Physics
Eötvös University, Budapest, Hungary: Seminar in Particle Physics
- 2009 *Renormalized 2PN spin contributions to the accumulated orbital phase* (poster presentation)
San Juan, Puerto Rico: 13th Gravitational Wave Data Analysis Workshop GWDAW13
- 2008 *Brane cosmology: the variable tension case and black hole horizon metrics* (invited talk)
Université Montpellier 2, France: Cosmology Workshop Montpellier08, Cosmology and Astroparticles
- 2008 *Cosmology and black holes on the brane* (invited seminar)
Queen Mary College London, United Kingdom: Relativity Seminar
- 2008 *Closing scalar perturbations in DGP*
University of Portsmouth, United Kingdom
- 2008 *Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models*

- London South Bank University, United Kingdom: Research Day 2008 (poster presentation)
- 2008 *On the 5-dimensional Birkhoff theorem: The tale of a counter-example* (invited talk)
University of Umeå, Sweden: GRSweden meeting
- 2007 *Cosmological tests of the generalized RS brane-worlds with Weyl fluid* (poster presentation)
London South Bank University, United Kingdom: Faculty Forum 2007
- 2007 *Super-massive black hole binary mergers* (invited talk)
Université Montpellier 2, France: Cosmology Workshop Montpellier07, Cosmology and Astroparticles
- 2007 *The spin-flip phenomenon due to gravitational radiation*
Bonn, Germany, “From the lowest frequencies to the highest energies – the radio astronomy-astroparticle connection“ – A tribute to Peter Biermann on the occasion of his 65th birthday
[http://www.mpifr-bonn.mpg.de/old_mpifr/div/theory/links/Peter%20Celebration/Talks/Gergely.pdf]
- 2007 *How to introduce key aspects of physics and its application to real problems to a class of brand new students* (invited seminar)
London South Bank University, United Kingdom
- 2007 *Generalized Randall-Sundrum brane-worlds with Weyl fluid tested by supernova data* (invited talk)
Bad Honnef, Germany, 394th WE-Heraeus Seminar: Cosmology of Fundamental Interactions
- 2007 *Supermassive binary black hole mergers*
Sydney, Australia, 7th Edoardo Amaldi Conference on Gravitational Waves
- 2007 *Cosmological tests of the generalized Randall-Sundrum brane-world model with late-time dark radiation*
Sydney, Australia, 18th International Conference on General Relativity and Gravitation
- 2007 *Cosmological tests of the generalized RS brane-worlds with Weyl fluid* (poster presentation)
Imperial College, London, United Kingdom, 13th International Symposium on Particles, Strings and Cosmology
[<http://www.pascos07.org/programme/posters/Gergely.pdf>]
- 2006 *Dark radiation, dark energy and dark matter in brane-worlds* (Erasmus seminar)
Institut für Radioastronomie, Bonn, Germany
- 2006 *Dark energy, dark matter and dark radiation in brane-worlds* (invited talk)
Université Montpellier 2, France: Cosmology Workshop, Cosmology and Astroparticles
- 2006 *Gravitational collapse and Swiss-Cheese cosmologies on the brane*
Institute of Cosmology and Gravitation, University of Portsmouth, United Kingdom:
Brane-world Gravity: Progress and Problems [<http://www.icg.port.ac.uk/brane06/talks/Gergely.pdf>]
- 2006 *Spin and quadrupole moment effects in the post-Newtonian dynamics of compact binaries*
University of Cardiff, United Kingdom: Spinning Coalescing Binaries Workshop (invited talk)
[<http://www.ego-gw.it/ILIAS-GW/documents/WG2CARDIFF06/Laszlo.pdf>]
- 2006 *Black holes in general relativity and in brane-worlds* (lecture)
Gyöngyöstarján, Hungary:
Theoretical Physics School, Measurements and the Einsteinian Theory of Gravitation
- 2006 *The second post-Newtonian order generalized Kepler equation*
Freie Universität Berlin, Germany: the 11th Marcel Grossmann Meeting
- 2006 *Is dark matter futile on the brane?*
Freie Universität Berlin, Germany: the 11th Marcel Grossmann Meeting
- 2006 *Black holes on cosmological branes*
Freie Universität Berlin, Germany: the 11th Marcel Grossmann Meeting
- 2006 *Research in Gravitation* (poster presentation)
University of Szeged, Physics exhibition in the Water Tower Museum
- 2005 *Black holes and cosmological evolution* (colloquium)
Institut für Radioastronomie, Bonn, Germany

- 2005 *Brane-world cosmologies and gravitational radiation phenomena* (invited talk)
Gerencepuszta,, Hungary:
Autumn School of Astronomy: Research Projects and Groups in the Hungarian Astronomy
- 2005 *Multiple black holes on the brane* (invited talk)
University of Szczecin, Pobierowo, Poland: Pomeranian Workshop in Fundamental Cosmology.
- 2005 *New variables for brane-world gravity*
Paris, France: Albert Einstein Century International Conference
[http://www.einstein2005.obspm.fr/parallel/Cosmology/GERGELY_Gergely2005.ppt]
- 2005 *Brane-worlds, black holes and gravitational radiation* (seminar)
University of Calgary, Calgary, Alberta, Canada
- 2005 *The evolution of gravitational wave frequency until the final coalescence of compact binaries*
University of British Columbia, Vancouver, British Columbia, Canada:
11th Canadian Conference on General Relativity and Relativistic Astrophysics
- 2005 *Multiple black holes on the brane: a no-go theorem*
Banff International Research Centre, Banff, Alberta, Canada: Black Holes V.
- 2005 *Asymmetric Friedmann branes with induced gravity*
Banff International Research Centre, Banff, Alberta, Canada: The Dark Side of Extra Dimensions
- 2005 *Brane-world cosmology, relativistic astrophysical objects and gravitational radiation* (invited seminar)
King's College, University of London, United Kingdom
- 2004 *Orbital evolution of compact binaries to 2PN order*
Dublin, Ireland: 17th International Conference on General Relativity and Gravitation
- 2004 *Asymmetric Friedmann branes* (poster presentation)
Dublin, Ireland: 17th International Conference on General Relativity and Gravitation
- 2004 *Generalized RS2 and DGP cosmologies* (lecture)
Gyöngyöstarján, Hungary: Theoretical Physics School in Cosmology
- 2003 *Generalized Friedmann branes* (seminar)
Institute of Cosmology & Gravitation, University of Portsmouth, United Kingdom
- 2003 *Naked singularities, wormholes and cosmologies of colliding null dust streams* (seminar)
Institute of Cosmology & Gravitation, University of Portsmouth, United Kingdom
University of Calgary, Calgary, Alberta, Canada
- 2003 *Gravitational radiation reaction in compact binary systems. Quadrupole-monopole and magnetic dipole-magnetic dipole contributions*
University of Guelph, Guelph, Ontario, Canada:
10th Canadian Conference on General Relativity and Relativistic Astrophysics
[<http://www.physics.uoguelph.ca/poisson/ccgrra/gergely.pdf>]
- 2003 *Generalized Friedmann branes*
Honey Harbour, Ontario, Canada: Black Holes IV.
- 2003 *Brane-worlds as generalized junction conditions* (graduate course lecture)
Institut für Radioastronomie, Bonn, Germany
- 2002 *Generalised Randall-Sundrum models* (lecture)
Gyöngyöstarján, Hungary:
Theoretical Physics School: Developments in Superstring Theory & Gravitation
- 2002 *Gravitation in 5 dimensions*
Budapest, Hungary: János Bolyai Conference on Hyperbolic Geometry
- 2002 *The new dimensions of gravity*
Gödöllő, Hungary: 6th International Meeting of Young Hungarian Researchers
- 2001 *Exact solutions of Einstein's equation from linearized solutions*

- University of Alberta, Edmonton, Alberta, Canada:
9th Canadian Conference on General Relativity and Relativistic Astrophysics
- 2001 *Brane-world generalizations of the Einstein static universe*
Kananaskis, Alberta, Canada: Black Holes III: Theory and Mathematical Aspects
- 2000 *Gravitational waves* (seminar)
University of Szeged, Szeged, Hungary
- 2000 *The geometry of the Barbour-Bertotti theories* (seminar)
Université Louis Pasteur, Strasbourg, France
- 1998 *Spin effects in gravitational radiation back reaction*
Paris, France: 19th Texas Symposium on Relativistic Astrophysics and Cosmology
- 1998 *Spherically symmetric static solution for colliding null dust streams* (poster presentation)
Paris, France: 19th Texas Symposium on Relativistic Astrophysics and Cosmology
- 1998 *A rotating incompressible perfect fluid space-time as source for the NUT metric* (poster presentation)
Paris, France: 19th Texas Symposium on Relativistic Astrophysics and Cosmology
- 1998 *Colliding spherically symmetric null dust in equilibrium*
Salamanca, Spain: ERES98 Spanish Relativity Meeting
- 1998 *Rotating incompressible perfect fluid source of the NUT metric*
Salamanca, Spain: ERES98 Spanish Relativity Meeting
- 1998 *Spin effects in radiating compact binaries*
Salamanca, Spain: ERES98 Spanish Relativity Meeting
- 1997 *Radiation backreaction on particles orbiting a spinning black hole*
The Hebrew University of Jerusalem, Israel: the 8th Marcel Grossmann Meeting
- 1996 *Relational dynamical theories* (seminar)
Bolyai Institute of Mathematics, University of Szeged, Szeged, Hungary
- 1996 *Geometrodynamics of spherically symmetric space-times* (seminar)
KFKI Research Institute of Particle and Nuclear Physics, Budapest, Hungary
- 1994 *Generalised Kerr-Schild maps*
Budapest, Hungary: Intensive Course in Quantum Field Theory in Curved Space-time
- 1993 *The Kerr-Schild metrics revisited*
Washington, Maryland, USA: International Symposium “Directions of General Relativity”

CO-AUTHOR IN TALKS BY PL BIERMANN

- 2010 *Ultra high energy cosmic rays and neutrinos*
PL Biermann, JK Becker, L Caramete, J Dreyer, F Fraschetti, LÁ Gergely, T Kneiske, Gopal Krishna, A Meli, E-S Seo, V de Souza, T Stanev, P Wiita
Conca Specchiulla, Otranto, Lecce, Italy, Neutrino Oscillation Workshop (NOW2010)
[<http://www.ba.infn.it/~now/now2010/Program/program.pdf>]
- 2008 *Active black holes: small and large*
PL Biermann, J Becker, L Caramete, A Curuțiu, I Duțan, R Engel, H Falcke, LÁ Gergely, PG Isar, IC Mariș, A Meli, K-H Kampert, F Munyaneza, T Stanev, O Tașcău, C Zier
Department of Astronomy and Space Science, Chungnam National University, Telescope Array Korean Group (TA-Korea) Meeting
[<http://canopus.cnu.ac.kr/TA-Korea/081025-biermann1.pdf>]
- 2008 *Ultra high energy particles: The HiRes/Auger controversy*
PL Biermann, J Becker, L Caramete, A Curuțiu, I Duțan, R Engel, H Falcke, LÁ Gergely, PG Isar, IC

Mariş, A Meli, K-H Kampert, F Munyaneza, T Stanev, O Taşcău, C Zier
Department of Astronomy and Space Science, Chungnam National University, Telescope Array Korean
Group (TA-Korea) Meeting [<http://canopus.cnu.ac.kr/TA-Korea/081025-biermann2.pdf>]

2008 *Ultra high energy particles*
PL Biermann, J Becker, L Caramete, A Curuţiu, I Duşan, R Engel, H Falcke, LÁ Gergely, PG Isar, IC
Mariş, A Meli, K-H Kampert, F Munyaneza, T Stanev, O Taşcău, C Zier
Department of Astronomy and Space Science, Chungnam National University, Telescope Array Korean
Group (TA-Korea) Meeting [<http://canopus.cnu.ac.kr/TA-Korea/081023-biermann.pdf>]

OTHER ATTENDED MEETINGS

- 2011 Origin – how it all begins / Ars Electronica (Festival for Art, Technology and Society), Linz, Austria
- 2011 LSC-Virgo Collaboration Meeting, Arcadia, Los Angeles, USA
- 2010 3rd ET General Workshop, Budapest, Hungary
- 2010 Black Holes in a Violent Universe 2^d Working Groups Meeting, University of Valencia, Spain
- 2010 LSC-Virgo Collaboration Meeting, Hannover, Germany
- 2010 Physics of Neutron Stars as Gravitational Wave Sources, University Sapienza, Rome, Italy
- 2009 LSC-Virgo Collaboration Meeting, Cambridge, Boston, USA
- 2009 Ecole Internationale Daniel Chalonge, 13th Paris Cosmology Colloquium:
The Standard Model of the Universe: From Inflation to Today's Dark Energy, Paris, France
- 2009 Ecole Internationale Daniel Chalonge, Physics of the Standard Model of the Universe:
Theory and Observation, Paris, France
- 2009 LSC-Virgo Collaboration Meeting, LAL Orsay, Paris, France
- 2009 Neutron Star / LSC-Virgo Meeting, San Juan, Puerto Rico
- 2008 GWADW 2008 - VESF, La Biodola, Isola d'Elba, Italy
- 2008 Cosmology Meets Condensed Matter, Royal Society, London, UK
- 2006 3d ILIAS-GW Annual General Meeting + WG2 Meeting, Imperial College London, UK
- 2006 Cosmology, Galaxy Formation and Astroparticle Physics, Oxford, UK
- 2006 UKCosmo Meeting, Newcastle, UK
- 2006 LISA – Gravitational-Wave Astronomy in Space, RAS/IoP Meeting, London, UK
- 2006 FIKUT IV – International Conference of Young Astronomers, ELTE Budapest, Hungary
- 2005 Eden in Paris, Workshop of the European Dark Energy Network, LPNHE, Paris, France
- 2004 Ecole Internationale Daniel Chalonge, 8th Paris Cosmology Colloquium:
WMAP and the Early Universe, Paris, France
- 2003 String Cosmology: Why astronomers might need branes? Cambridge, UK
- 2002 Magyary Zoltán meeting of post-doctoral researchers, Pécs, Hungary
- 2001 Magyary Zoltán meeting of post-doctoral researchers, Sopron, Hungary
- 2000 Cosmology Workshop, Paris, France
- 2000 66th Workshop on Mathematics and Theoretical Physics, Strasbourg, France
- 1998 201 WE Heraeus Seminar on Mathematical Problems in General Relativity, Bad Honnef, Germany
- 1992 4th Hungarian Relativity Workshop, Gárdony, Hungary