

*INVITED TALKS AT INTERNATIONAL CONFERENCES, INVITED SEMINARS (LÁSZLÓ ÁRPÁD GERGELY)*

- 2016 *Gravitational waves: prediction, discovery, prospects*  
ELI Extreme Light Infrastructure, Szeged, Hungary (invited seminar)  
Modern Physics Day, Gyöngyös, Hungary (invited lecture) <https://indico.cern.ch/event/514449/>  
Andrássy Gyula High School and College, Békéscsaba, Hungary: Masters and their Pupils (invited lecture)  
Szent-Györgyi Agóra, Szeged, Hungary: Physics Day (invited lecture)  
University of Szeged, Hungary: Astronomy Day (invited lecture)  
Babes-Bolyai University, Kolozsvár, Romania: Transylvanian Scientific Student Conference (invited inaugural plenary lecture)
- 2016 *Gravitational radiation from binary black holes: the contribution of the Szeged Group to the LIGO Scientific Collaboration* (invited talk)  
Hungarian Academy of Sciences, Budapest, Hungary: Discovery of Gravitational Waves: Astrophysical and Geophysical Perspectives
- 2016 *Gravitational waves in Kantowski/Sachs cosmologies* (invited seminar)  
Yukawa Institute for Theoretical Physics, Kyoto, Japan
- 2014 *Tachyonic dark energy, gravitational waves and black hole spin detection* (invited seminar)  
Tokyo University of Science, Tokyo, Japan
- 2014 *Tachyonic dark energy, gravitational waves and black hole spin detection* (invited seminar)  
Yukawa Institute for Theoretical Physics, Kyoto, Japan
- 2014 *Tachyonic dark energy, gravitational radiation from binary black holes and first spin detection from black hole jet* (invited seminar)  
Konkoly Observatory, Hungarian Academy of Science  
Budapest, Hungary
- 2014 *Cosmology, black holes and gravitational radiation* (invited colloquium)  
Hungarian Physics Institute, Babes-Bolyai University, Kolozsvár, Romania
- 2014 *Cosmology, black holes and gravitational radiation* (invited talk)  
Conference of Hungarian Physics teachers from Transylvania, Sztána, Romania
- 2014 *Tachyonic dark energy, lensing signatures of modified gravity, and first spin detection from binary black hole jets* (invited plenary talk)  
1<sup>st</sup> APCTP-TUS workshop on Dark Energy  
Asia Pacific Center for Theoretical Physics, Pohang, Korea [<https://www.apctp.org/plan.php/DEW2014>]
- 2013 *Supermassive black hole mergers and their gravitational radiation* (invited seminar)  
Waseda University, Japan
- 2013 *Supermassive black hole mergers and their gravitational radiation* (invited seminar)  
Kuwait University, Kuwait
- 2013 *Gravitational collapse in alternative gravity* (invited talk)  
CERN, Genève, Switzerland: Black Holes in a Violent Universe 7<sup>th</sup> Working Groups Meeting: “The Biggest Accelerators in Space and on Earth”  
[ <https://indico.cern.ch/getFile.py/access?contribId=25&sessionId=4&resId=0&materialId=slides&confId=213935> ]
- 2013 *Supermassive black hole mergers and their gravitational radiation* (invited colloquim)  
University of Lethbridge, Alberta, Canada: Department of Physics and Astronomy Speaker Series
- 2012 *Supermassive black hole mergers and their gravitational waves* (invited seminar)  
Bolyai Institute of Mathematics, University of Szeged, Hungary: Kerékjártó lecture  
[ [http://www.math.u-szeged.hu/Geo/\\_site/index.php/hu/news-blog/167-gergely-2012-autumn](http://www.math.u-szeged.hu/Geo/_site/index.php/hu/news-blog/167-gergely-2012-autumn) ]

- 2012 *Supermassive black hole mergers, jet signatures and gravitational waves* (invited talk)  
 Université Montpellier 2, France: Cosmology Workshop Montpellier12, Cosmology and Astroparticles
- 2012 *The paradox of soft singularity crossing and its resolution by distributional cosmological quantities*  
 (invited talk)  
 University of Szczecin, Poland: Multiverse and Fundamental Cosmology (Multicosmofun'12)
- 2012 *Gravitational lensing by black holes in alternative gravity theories* (invited colloquium)  
 Max Planck Institute for Radioastronomy & University of Bonn, Germany
- 2012 *Gravitational lensing by black holes in alternative gravity theories* (invited talk)  
 University of Malta, Valetta, Malta:  
 Black Holes in a Violent Universe 5<sup>th</sup> Working Groups Meeting: “Black Holes: From Quantum To Gravity”
- 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* (invited talk)  
 INAF, Instituto di Radioastronomia, Bologna, Italy:  
 Black Holes in a Violent Universe 3<sup>rd</sup> Working Groups Meeting:  
 “Primordial Black Holes and how to grow Black Holes”
- 2011 *Do supernovae favor tachyonic Big Brake instead of de Sitter?* (invited seminar)  
 University of Hong Kong, Hong Kong, China
- 2011 *Supermassive black hole mergers and their gravitational radiation* (invited seminar)  
 University of Hong Kong, Hong Kong, China
- 2010 *Supermassive black hole mergers and their gravitational radiation* (invited special colloquium)  
 Max Planck Institute for Radioastronomy & University of Bonn, Germany
- 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* (invited talk)  
 Max Planck Institute for Radioastronomy, Germany:  
 Black Holes in a Violent Universe 1<sup>st</sup> Working Groups Meeting  
 [ [http://www.mpifr-bonn.mpg.de/div/meetings/COST1stWGMeeting/pdf-files/WG4\\_Gergely.pdf](http://www.mpifr-bonn.mpg.de/div/meetings/COST1stWGMeeting/pdf-files/WG4_Gergely.pdf) ]
- 2010 *Black hole binaries and their gravitational radiation* (invited seminar)  
 Università degli Studi di Napoli Federico II, Italy
- 2009 *Do supernovae favor tachyonic Big Brake instead of de Sitter?* (invited talk)  
 Université Montpellier 2, France: Cosmology Workshop Montpellier09, Cosmology and Astroparticles
- 2009 *3+1+1 dimensional covariant gravitational dynamics* (invited talk)  
 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](http://cosmo.fiz.univ.szczecin.pl/pliki/grasscosmofun/talks/L_Gergely/GrassCosmoFun_3+1+1.pdf) ]
- 2009 *Tachyon cosmology, supernovae data and the Big Brake singularity* (invited seminar)  
 University of Köln, Germany: Relativity Seminar
- 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 *On the 5-dimensional Birkhoff theorem: The tale of a counter-example* (invited talk)  
 University of Umeå, Sweden: GRSweden meeting
- 2007 *Super-massive black hole binary mergers* (invited talk)  
 Université Montpellier 2, France: Cosmology Workshop Montpellier07, Cosmology and Astroparticles

- 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, 394<sup>th</sup> WE-Heraeus Seminar: Cosmology of Fundamental Interactions
- 2006 *Dark energy, dark matter and dark radiation in brane-worlds* (invited talk)  
Université Montpellier 2, France: Cosmology Workshop, Cosmology and Astroparticles
- 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> ]
- 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 *Brane-world cosmology, relativistic astrophysical objects and gravitational radiation* (invited seminar)  
King's College, University of London, United Kingdom

#### ***OTHER TALKS AT INTERNATIONAL CONFERENCES, LECTURES, POSTER PRESENTATIONS***

- 2015 *Gravitation and Cosmology*  
MAFIHE Seminar, University of Szeged, Hungary
- 2015 *Black hole horizon by accelerating electrons*  
TÁMOP Conference, Agora Center, University of Szeged, Hungary
- 2014 *Tachyonic cosmology, gravitational lensing, gravitational radiation from black hole binaries and first spin detection from binary black hole jets - in Hungarian*  
University of Szeged, Hungary
- 2014 *Proposed activities of the Szeged Group* (membership application talk)  
*SDW: Gravitational waveforms from unequal mass, rapidly spinning binaries* (poster)  
Stanford University, USA: LSC-VIRGO August 2014 Meeting
- 2013 *Supermassive black hole mergers and their gravitational radiation* (seminar)  
Tokyo University of Science, Japan
- 2013 *Black hole production by Laser-induced electron acceleration* (in Hungarian)  
University of Szeged, Hungary  
“Application of Impulse Lasers in Material Sciences and Biophotonics” kick-off conference
- 2012 *Geometro-thermodynamics of tidal charged black holes* (poster)  
University of Palermo, Italy:  
Black Holes in a Violent Universe 6<sup>th</sup> Working Groups Meeting: “Jets and Black Holes”
- 2012 *Jet flares as beacons for gravitational waves* (poster + short oral presentation)  
Royal Observatory, Brussels, Belgium:  
Joint Meeting between COST Actions MP0905 (Polarization as a tool to study Solar System and beyond) and MP1104 (Black Holes in a Violent Universe): "Polarisation & Active Galactic Nuclei"  
presentation: [ [http://www.polarisation.eu/projectdir/Presentation\\_Gergely.pdf](http://www.polarisation.eu/projectdir/Presentation_Gergely.pdf) ]  
poster: [ [http://www.polarisation.eu/projectdir/Poster\\_Gergely.pdf](http://www.polarisation.eu/projectdir/Poster_Gergely.pdf) ]
- 2012 *The problem of time in canonical gravity* (lecture [http://bodri.elte.hu/Iskola\\_video/](http://bodri.elte.hu/Iskola_video/) – in Hungarian)

- University of Szeged, Hungary: Theoretical Physics School on Quantum Gravity
- 2012 *Testing alternative gravity models with gravitational lensing* (lecture [http://bodri.elte.hu/Iskola\\_videok/](http://bodri.elte.hu/Iskola_videok/) – in Hungarian)  
University of Szeged, Hungary: Theoretical Physics School on Quantum 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
- 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 *Supermassive black hole spin-flip during the inspiral* (poster + short oral presentation)  
University Sapienza, Rome, Italy: 14<sup>th</sup> 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: 14<sup>th</sup> Gravitational Wave Data Analysis Workshop GWDAW14  
[ <http://agenda.infn.it/getFile.py/access?contribId=120&sessionId=10&resId=1&materialId=poster&confId=1157> ]
- 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, Budapest, Hungary: LSC-VIRGO September 2009 Meeting
- 2009 *Variable tension brane-world models*  
Paris, France: the 12<sup>th</sup> 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: 8<sup>th</sup> Edoardo Amaldi Conference on Gravitational Waves  
[ [http://7168223078989316519-a-1802744773732722657-s-sites.googlegroups.com/site/amaldi8posters2/posters/Poster\\_5\\_Gergely.pdf](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: 8<sup>th</sup> Edoardo Amaldi Conference on Gravitational Waves  
[ [http://7168223078989316519-a-1802744773732722657-s-sites.googlegroups.com/site/amaldi8posters2/posters/Poster\\_58\\_Mezzaros.pdf](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: 13<sup>th</sup> 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*  
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: 13<sup>th</sup> Gravitational Wave Data Analysis Workshop GWDAAW13
- 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)
- 2007 *Cosmological tests of the generalized RS brane-worlds with Weyl fluid* (poster presentation)  
London South Bank University, United Kingdom: Faculty Forum 2007
- 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 65<sup>th</sup> birthday  
[ [http://www.mpifr-bonn.mpg.de/old\\_mpifr/div/theory/links/Peter%20Celebration/Talks/Gergely.pdf](http://www.mpifr-bonn.mpg.de/old_mpifr/div/theory/links/Peter%20Celebration/Talks/Gergely.pdf) ]
- 2007 *Supermassive binary black hole mergers*  
Sydney, Australia, 7<sup>th</sup> Edoardo Amaldi Conference on Gravitational Waves
- 2007 *Cosmological tests of the generalized Randall-Sundrum brane-world model with late-time dark radiation*  
Sydney, Australia, 18<sup>th</sup> 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, 13<sup>th</sup> 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 *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 *Black holes in general relativity and in brane-worlds* (lecture)  
Gyöngyöstarján, Hungary:  
Theoretical Physics School on Measurements and the Einsteinian Theory of Gravitation
- 2006 *The second post-Newtonian order generalized Kepler equation*  
Freie Universität Berlin, Germany: the 11<sup>th</sup> Marcel Grossmann Meeting
- 2006 *Is dark matter futile on the brane?*  
Freie Universität Berlin, Germany: the 11<sup>th</sup> Marcel Grossmann Meeting
- 2006 *Black holes on cosmological branes*  
Freie Universität Berlin, Germany: the 11<sup>th</sup> 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 *New variables for brane-world gravity*  
Paris, France: Albert Einstein Century International Conference  
[ [http://www.einstein2005.obspm.fr/paralle/Cosmology/GERGELY\\_Gergely2005.ppt](http://www.einstein2005.obspm.fr/paralle/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:  
11<sup>th</sup> 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
- 2004 *Orbital evolution of compact binaries to 2PN order*  
Dublin, Ireland: 17<sup>th</sup> International Conference on General Relativity and Gravitation
- 2004 *Asymmetric Friedmann branes* (poster presentation)  
Dublin, Ireland: 17<sup>th</sup> 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:  
10<sup>th</sup> Canadian Conference on General Relativity and Relativistic Astrophysics  
[ <http://www.physics.uoguelph.ca/poisson/ccqrra/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: 6<sup>th</sup> International Meeting of Young Hungarian Researchers
- 2001 *Exact solutions of Einstein's equation from linearized solutions*  
University of Alberta, Edmonton, Alberta, Canada:  
9<sup>th</sup> 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: 19<sup>th</sup> Texas Symposium on Relativistic Astrophysics and Cosmology

- 1998 *Spherically symmetric static solution for colliding null dust streams* (poster presentation)  
Paris, France: 19<sup>th</sup> 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: 19<sup>th</sup> 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 8<sup>th</sup> 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 / POSTER PRESENTATIONS BY COLLEAGUES AND STUDENTS***

- 2016 *Dark Matter, Super-Massive Black Holes and Gravitational Waves*  
P. L. Biermann, W. de Boer, L.I. Caramete, I. Gebauer, L. Á. Gergely, B.C. Harms, E. Haug, P.P. Kronberg, E. Kun, P.A. Mason, A. Meli, I.F. Mirabel, B.B. Nath, E.-S. Seo, T. Stanev, J.B. Tjus, C.R. Watson  
Ecole Internationale Daniel Chalonge-Hector de Vega: Warm Dark Matter, Astrophysics in Agreement with Observations and keV Sterile Neutrinos  
CIAS Observatoire de Paris, Château de Meudon [http://chalonge.obspm.fr/CIAS16\\_Biermann.pdf](http://chalonge.obspm.fr/CIAS16_Biermann.pdf)
- 2015 *Spinning waveform comparisons* (poster)  
M Tápai, T Tarjányi, Z Keresztes, LÁ Gergely  
Budapest, Hungary: LSC-VIRGO Collaboration Meeting
- 2015 *Secular, eccentric, spinning compact binary dynamics* (poster)  
M Tápai, Z Keresztes, LÁ Gergely  
Budapest, Hungary: LSC-VIRGO Collaboration Meeting
- 2014 *Gravitational lensing in Horava-Lifshitz gravity*  
Zs Horváth, LÁ Gergely  
Budapest, Hungary: Fikut VII, Young Astronomer and Astrophysicist Researchers Meeting
- 2014 *Investigating template bank generation for spin dominated compact binaries*  
M Tápai, Z Keresztes, LÁ Gergely  
Budapest, Hungary: Fikut VII, Young Astronomer and Astrophysicist Researchers Meeting
- 2014 *Double AGNs*  
KÉ Gabányi, S Frey, T An, Zs Paragi, E Kun, LÁ Gergely  
Budapest, Hungary: Fikut VII, Young Astronomer and Astrophysicist Researchers Meeting
- 2014 *Preliminary analysis of spin-dominated waveforms* (poster)

- M Tápai, Z Keresztes, LÁ Gergely  
Nice, France: LSC-VIRGO Collaboration Meeting
- 2013 *Spin-dominated waveforms*  
M Tápai, Z Keresztes, LÁ Gergely  
Bethesda, Maryland, USA: LSC-VIRGO Collaboration Meeting
- 2013 *Supermassive Black Hole Binaries at the Jet Base. Could the Spin-Orbit Precession be detected?*  
E Kun, KÉ Gabányi, M Karouzos, S Britzen, LÁ Gergely  
Snowbird, Utah, USA  
SnowPAC2013: “Black Hole Fingerprints, Dynamics, Disruptions & Demographics”
- 2012 *Spin-orbit precession at the base of the jet. Could it be detected?*  
E Kun, KÉ Gabányi, S Britzen, LÁ Gergely  
University of Palermo, Italy:  
Black Holes in a Violent Universe 6<sup>th</sup> Working Groups Meeting: “Jets and Black Holes”
- 2012 *Perturbations of Kantowski-Sachs models with a cosmological constant*  
Z Keresztes, M Forsberg, M Bradley, PKS Dunsby, LÁ Gergely  
The 13<sup>th</sup> Marcel Grossmann Meeting, Stockholm, Sweden
- 2012 *The paradox of soft singularity crossing and its resolution by distributional cosmological quantities*  
A Kamenshchik, Z Keresztes, LÁ Gergely  
The 13<sup>th</sup> Marcel Grossmann Meeting, Stockholm, Sweden
- 2012 *Gravitational waveforms for unequal mass black hole binaries*  
M Tápai, Z Keresztes, LÁ Gergely  
The 13<sup>th</sup> Marcel Grossmann Meeting, Stockholm, Sweden
- 2012 *Tests of modified gravity and dark matter models with galactic rotation curves*  
M Dwornik, Z Keresztes, T Harko, LÁ Gergely  
The 13<sup>th</sup> Marcel Grossmann Meeting, Stockholm, Sweden  
[ [http://www.icra.it/MG/mg13/talks/at4a\\_dwornik.pdf](http://www.icra.it/MG/mg13/talks/at4a_dwornik.pdf) ]
- 2012 *Gravitational waveforms for black hole binaries with unequal masses (poster presentation)*  
M Tápai, Z Keresztes, LÁ Gergely  
Relativity and Gravitation:100 Years after Einstein in Prague, Prague, Czech Republic
- 2012 *Modified gravity theories and dark matter models tested by galactic rotation curves (poster presentation)*  
M Dwornik, Z Keresztes, T Harko, LÁ Gergely  
Relativity and Gravitation:100 Years after Einstein in Prague, Prague, Czech Republic
- 2012 *Astrophysics of warm dark matter*  
PL Biermann, JK Becker, L Caramete, L Clavelli, LÁ Gergely, B Harms, Gopal Krishna, A Meli, F Miniati, B Nath, E-S Seo, V de Souza, T Stanev, P Wiita  
Chalonge Meudon Workshop 2012: “Warm Dark Matter galaxy formation in agreement with observations”, Paris, France (CIAS12) [ [http://www.chalonge.obspm.fr/CIAS12\\_Biermann.pdf](http://www.chalonge.obspm.fr/CIAS12_Biermann.pdf) ]
- 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> ]
- 2009 *3+1+1 covariant gravitational dynamics*  
Z Keresztes, LÁ Gergely  
12th Marcel Grossmann Meeting, Paris, France
- 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 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-biermann2.pdf> ]
- 2008 *Ultra high energy particles*  
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/081023-biermann.pdf> ]
- 2003 *Gravitational Radiation Reaction in Compact Binary Systems: Quadrupole-monopole and magnetic dipole-magnetic dipole interactions*  
Z Keresztes, LÁ Gergely, M Vasúth  
 Common Trends in Cosmology and Particle Physics, Balatonfüred, Hungary  
 [ <http://indico.cern.ch/conferenceDisplay.py?confId=a031365> ]

### ***OTHER ATTENDED MEETINGS***

- 2015 Future of Polarimetry, COST Action MP0905 (Polarization as a tool to study Solar System and beyond) Meeting, Brussels, Belgium
- 2015 Relativity Seminar, Budapest, Hungary
- 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 3<sup>rd</sup> ET General Workshop, Budapest, Hungary
- 2010 Black Holes in a Violent Universe 2<sup>d</sup> 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, 13<sup>th</sup> 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, 8<sup>th</sup> 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 66<sup>th</sup> Workshop on Mathematics and Theoretical Physics, Strasbourg, France
- 1998 201 WE Heraeus Seminar on Mathematical Problems in General Relativity, Bad Honnef, Germany
- 1992 4<sup>th</sup> Hungarian Relativity Workshop, Gárdony, Hungary