

## Appendix 5: Activities of ESR and ER

1 Oct 2008 – 30 Sep 2009

### Eugeny Babichev (Paris)

#### Visits:

- Oct 23-Nov 7 of 2008, Moscow, Russia, collaboration with colleagues. (outside network)
- Nov 10 of 2008, Paris, France, talk at GReCO seminar at IAP. (within network)
- Nov 18 of 2008, Orsay, France, talk at LPT, Universite Paris XI-Sud-Orsay, cosmological seminar. (within network)
- Nov 20 of 2008, Tours, France, talk at the University of Tours, theory seminar. (outside network)
- Dec 17, of 2008, Saclay, France, talk at Institut de Physique Theorique - CEA/Saclay. (within network)
- March 26-28 of 2009, Barcelona, Spain, invited talk at the theory seminar, (within network)
- June 10-22 of 2009, New-york, USA, collaboration with colleagues. (outside network)

#### Conferences:

- [New Topics in Modern Cosmology, spontaneous workshop III](#), 26 April - 1 May 2009, Cargese. Talk: "Massive Gravity and the Vainshtein mechanism"
- Nov 24-28 of 2008, Paris, France, conference "Consistent Infra Red Modifications of Gravity". Talk "Spherically symmetric Solutions of Massive Gravity and the Goldstone Picture".
- May 12-16, Brussels, Belgium, workshop "Cosmological frontiers in fundamental physics". Attended the meeting without talk/poster.
- May 17-23, Moscow, Russia, conference "4th international Sakharov conference". Talk "Spherically Symmetric Solutions in Massive Gravity and the Vainshtein Mechanism"
- May 24-31, Dubna, Russia, workshop "Frontiers in black hole physics". Talk "Massive Gravity and the Vainshtein mechanism"
- July 12-18, Paris, France, conference "12th Marcel Grossmann meeting". First Talk "From massive gravity to k-Mouflage" and Second Talk "Relativistic stars in f(R) gravity".
- Sep. 21-25, Ann-Arbor, USA, workshop "Shining Light on Black Holes". Talk "Relativistic stars in f(R) theories" (expected)

#### Other activity:

- Chairman of the weekly APC Theory seminar.

### Diana Battefeld (Helsinki)

#### Visited:

- APC Paris, September 15<sup>th</sup>-December 15<sup>th</sup> 2008 (within network)
- Princeton University, February 15<sup>th</sup> –May 15<sup>th</sup> 2009 (outside network)
- Perimeter Institute, May 15<sup>th</sup>-June 20<sup>th</sup> 2009 (outside network)
- CITA, Canada May 16<sup>th</sup>-May 17<sup>th</sup> 2009 (outside network)
- APC, Paris June 20<sup>th</sup>-July 3<sup>rd</sup> 2009 (within network)
- Princeton University July 15<sup>th</sup>-August 31<sup>st</sup> 2009 (outside network)

Conferences:

- PASCOS 2009 July 3<sup>rd</sup>-July 12<sup>th</sup> 2009 Hamburg, Germany. Presentation: "Staggered Multi-field Inflation"
- The Invisible Universe June 27<sup>th</sup>-July 3<sup>rd</sup> Paris, France.
- The Perimeter Institute, Canada May 15<sup>th</sup>-June 20<sup>th</sup> Presentation: "Staggered multi-field Inflation".
- CITA, May 16<sup>th</sup>-May 17<sup>th</sup>, Presentation: "Preheating after multi-field inflation".

**Nikolaos Brouzakis (IFAE)**

Conferences:

- attended COSMO09 at CERN

Visits:

- 10th of July to the 1st of August 2009 - collaboration with Prof. Tetradis at the University of Athens

**Vittoria Demozzi (Munich)**

Conferences:

- Primordial Gravitational waves, 25 - 28 August 2009, Cambridge
- Challenges in Theoretical Cosmology, 2 - 3 September 2009, Talloires (France)

**Michael Gustafsson (INFN)**

Visits:

- Collaboration meetings in Stockholm, Dec 2008 and May 2009. (within Network – home country)

Conferences:

- ENTAp DARK MATTER workshop 2009, CERN.
- Dark Matter Conference, 9/2-11/2 2009, Florence, Italy.
- Astroparticle Physics - A Pathfinder to New Physics, Nordita Workshop, Stockholm April 2009.
- Plank 2009 conference, Padova, May 25-29 2009.
- EPS HEP 2009 conference in Krakow, Poland 16-22 July 2009. Convener and organizer of the 'astroparticle' session

Other activity:

- Organizer of local (Padova) seminars "Pheno-coffee" every second week during the period 2008-2010.
- Co-supervising the master student Davide Cadamuro 2008-present.
- Co-supervising the PhD student Miguel Pato 2008-present.

**Andrzej Hryczuk (INFN)**

Conferences:

- 3rd International Summer School on Astroparticle Physics "Ni-jmegen 09", August 19-28, 2009 Nijmegen, The Netherlands

**Paul Hunt (Warsaw)**

Conferences:

- Fifth workshop on Particle Physics and Cosmology, 4-7 February 2009, Warsaw. Gave a talk.

- European Physical Society HEP 2009, 16-22 July 2009, Krakow, Poland. Gave a talk.
- Participant at: Planck 2009, 25-29 May 2009, Padova, Italy

#### **Thomas Konstandin (Barcelona)**

Visited:

- CEA Saclay, Theory Division, 7-9 April 2009 – gave a talk titled “CP violation in the bosonic Standard Model” (within network)
- CERN PH-TH Division, 19-25 April 2009 and 19-22 May 2009 (within network)
- Université de Genève, Département de Physique Théorique, 912 - Dec 2008 (outside network)
- University Bielefeld, 13 June 2009 – gave a talk titled “Gravitational waves from cosmological first order phase transitions “ (outside network)

Conferences:

- Low Energy Precision Electroweak Physics in the LHC era, Seattle, 5-19 October 2008 talk: "Electroweak baryogenesis in the MSSM and nMSSM"
- "Electroweak phase transition", NORDITA workshop, Stockholm, 14-28 June 2009. Talk.
- COSMO 09 conference, CERN, Genève, 7-11 September 2009, talk: “CP violation in the bosonic Standard Model”

#### **Anna Kostouki (London)**

Conferences:

- DISCRETE '08, Symposium on Prospects in the Physics of Discrete Symmetries, December 11 – 16 2008, IFIC, Valencia, Spain. Talk: dilaton – tachyon induced Inflation in First quantized String Cosmology
- XXVII Workshop on Recent Developments in High Energy Physics and Cosmology, May 21 – 23 2009, Demokritos, Athens, Greece. Talk: dilaton – tachyon induced Inflation in First quantized String Cosmology
- Invisible Universe, June 29 – July 3 2009, Palais de l'Unesco, Paris, France. Talk: dilaton – tachyon induced Inflation in First quantized String Cosmology
- School and Workshops on Cosmology and Strings: Theory – Cosmology – Phenomenology, September 6 – 13 2009, Corfu Summer Institute, Corfu, Greece. Talk: modifications of Gravity arising from point
- 2<sup>nd</sup> School and Workshop on Quantum Gravity and Quantum Geometry, September 13 – 20 2009, Corfu Summer Institute, Corfu, Greece. Talk: modifications of Gravity arising from point
- 3<sup>rd</sup> UniverseNet School, Particle Astrophysics and Cosmology, September 28 – October 2 2009, Universitat Autònoma de Barcelona, Bellaterra, Spain. Talk: modifications of Gravity arising from point

#### **Philipp Mertsch (Oxford)**

Conferences:

- “High-Energy Gamma-rays and Neutrinos from Extra-Galactic Sources”, Max-Planck-Institute for Nuclear Physics, Heidelberg, 13 - 16 January 2009
- “Frontiers in Theoretical Neutrino Physics”, APC, Paris, 16 - 19 March 2009
- “TANGO in Paris”, IAP, Paris, 4 - 6 May 2009, IoP Astroparticle Physics group meeting, University of Edinburgh, 8 - 9 June 2009 (gave a talk)

- “Connecting Quarks with the Cosmos”, University of Washington, Seattle, Washington, USA, 29 June - 10 July 2009 (gave a talk)
- “TeV Particle Astrophysics 2009”, SLAC, Stanford, California, USA, 13- 17 July 2009 (gave a talk)

### **Ioannis Ntallanis (Warsaw)**

#### Visits:

- visited Paris APC institute (node of the network) between January and February for about 40 days

#### Conferences:

- Talk at Fifth Workshop on Particle Physics and Cosmology, Warsaw, February 4 - 7, 2009
- Talk at The Planck 2009 conference, in Padova, Italy 25-29 May 2009.
- Talk and local organisation at String Phenomenology '09, Warsaw , 15 - 19 June 2009

### **Eun-Kyung Park (Bonn)**

#### Conferences:

- Extended workshop on DM, LHC and cosmology, KIAS, Korea, Aug 17 – Sep 12, 2009
- EPS HEP 2009, Krakow, Poland, Jul 16 – 22, 2009, Talk: <Dark matter detection and collider signals in an SO(10) SUSY GUT model with two step intermediate scale symmetry breaking>, Jul 18, 2009
- PASCOS 2009, DESY, Hamburg, Jul 6 - 10, 2009. Talk: <Dark matter detection and collider signals in an SO(10) SUSY GUT model with two step intermediate scale symmetry breaking>, Jul 6, 2009
- International Workshop on Interconnection between Particle Physics and Cosmology : PPC 2009, Norman, Oklahoma, May 18 - 22, 2009. Talk: <Dark matter and collider signals in an SO(10) SUSY GUT model with two step symmetry breaking>, May 20, 2009
- Phenomenology 2006 Symposium (PHENO'09)}, Madison, WI, May 11 - 13, 2009. Talk: <Dark matter detection and collider signals in an SO(10) SUSY GUT model with two step intermediate scale symmetry breaking>, May 12, 2009
- ENTApP Dark Matter workshop 2009, CERN, Geneva, Switzerland, Feb. 2 - 6, 2009
- 2nd Annual Workshop of the Helmholtz Alliance 'Physics at the Terascale', RWTH Aachen, Germany, Nov. 26 28, 2008
- DESY Theory Workshop Dark Matter at the Crossroads, DESY, Hamburg, Germany, Sep 29 - Oct 2, 2008. Talk: <Neutralino dark matter and collider signals with and without soft term universality>, Oct 1, 2008.

#### Visits:

- KIAS, Seoul, Korea, Aug 10 – Sep 04, 2009 (network node + home community)

### **Gerasimos Rigopoulos (Helsinki)**

#### Conferences:

- Gave a talk titled "Path integral for inflationary perturbations" at the Workshop on Non-linearity in Cosmology, Yukawa Institute, Kyoto, Japan, 13-24 April 2009.
- participant at COSMO '09, 7-11 September 2009, CERN
- Gave a talk titled "Gauge invariant path integral for inflationary perturbations" at Particle Cosmology, 14-18 September, CERN

### **Narendra Sahu (Lancaster)**

Visits:

- Visited theory division, Tata Institute of Fundamental Research, Mumbai, India, during 17 April 2009 to 19 April 2009. (outside network)
- Visited physics department, University of California, Riverside, USA, during 20 July 2009 to 24 July 2009. (outside network)

Conferences:

- "EnTApP Dark Matter workshop 2009", 2nd February to 6th February 2009, held at CERN, Geneva, Switzerland. Parallel session talk: "Gauge Singlet Dark Matter and ATIC/PAMELA electron and positron excesses"
- "Aspects of Neutrinos", 8th April 2009 to 15th April 2009, held at Goa, India. Invited Talk: "Symmetries in neutrino mass matrix: A bottom-up approach"
- "Annual meeting of the Institute of Particle Physics Astroparticle Physics Group", 8th June to 9th June 2009, held at Edinburgh, UK. Parallel session talk: "Absolute electron and positron fluxes from PAMELA/Fermi and dark matter"
- "TeV Particle Astrophysics 2009", 13th July 2009 to 17th July 2009, held at Stanford Linear Accelerator Center, Menlo Park, California, USA.

**Juan Bueno Sanchez (Ioannina)**

Conferences:

- Participation in Cosmo09, CERN, Geneva (Switzerland), 7-11 September 2009

**Arman Shafieloo (Oxford)**

Visits:

- Institut d'Astrophysique de Paris, 5<sup>th</sup> to 19<sup>th</sup> June 2009. Collaboration with Roya Mohayaee on studying the low red-shift universe. (within network)

Conferences:

- Invisible Universe, UNESCO-Paris 29<sup>th</sup> June to 3<sup>rd</sup> July 2009, I have given two oral presentations.

Other activity:

- Journal Referee:
  - Monthly Notices of the Royal Astronomical Society [MNRAS](Wiley-Blackwell, UK)
  - Journal of Cosmology and Astroparticle Physics [JCAP](Institute of Physics Publishing- UK)
  - Physics Letters B [PLB](Elsevier, Netherland)
  - International Journal of Modern Physics D [IJMPD] (World Scientific Publishing Company)

**Wessel Valkenburg (Annecy)**

Conferences:

- Participation in the Tufts Institute "Challenges in Theoretical Cosmology", Talloires (France), September 2009
- Participation in the conference "Invisible Universe", Paris, July 2009

**Katarzyna Zuleta (Ioannina)**

Conferences:

- Presentation at the 5th workshop "Particle Physics and Cosmology" (MC RTN), Warsaw (Poland) 4-7 February 2009
- Participation in Cosmo09, CERN, Geneva (Switzerland), 7-11 September 2009
- Participation in Cern Theory Institute "Particle Cosmology", 14-18 September 2009

**Jose Miguel No Redondo (CERN)**

Conferences:

- Participation in Planck 09, Padua (Italy) 24-29 May 2009 (CHF 575.78)
- Participation in PASCOS 2009, Hamburg (Germany) 5-12 July 2009 (CHF 469.65)