Italian-Korean Meetings on Relativistic Astrophysics
# The Italian-Korean Meetings

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<td>3-8 September 1987</td>
<td>Hanyang University and Sorak Mountain, Korea</td>
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<td>IK 2</td>
<td>8-13 July 1989</td>
<td>University of Rome and Limone Piemonte, Italy</td>
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<td>IK 3</td>
<td>4-8 July 1991</td>
<td>Ewha Woman's University, Korea</td>
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<td>IK 4</td>
<td>9-15 July 1995</td>
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<td>IK 5</td>
<td>1-6 September 1997</td>
<td>Sogang University and Sunabo, Korea</td>
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<td>IK 6</td>
<td>12 - 24 July 1999</td>
<td>University of Rome, Gran Sasso and Pescara, Italy</td>
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<td>IK 7</td>
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<td>Inje University, Gimhae and Gangwha-do, Korea</td>
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<td>IK 8</td>
<td>18-23 August 2003</td>
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<td>IK 9</td>
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<td>IK 10</td>
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<td>IK 11</td>
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<td>IK 13</td>
<td>15-19 July 2013</td>
<td>Ewha Woman's University, Korea</td>
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</table>
The Italian-Korean meetings cover astrophysics and cosmology, such as gamma ray bursts and compact stars, high energy cosmic rays, dark energy and dark matter, general relativity, black holes, and new physics related to cosmology. The organizers wish these meetings to deepen understanding not only physics, astrophysics and cosmology but also culture exchange between Eastern and Western world.
Proceedings:
Il Nuovo Cimento 105B
World Scientific Pub., 1988

IL NUOVO CIMENTO
volume 105 B serie 11 numero 8-9 agosto-settembre 1990
NIFRAP 105(8-9) 817-1078 (1990)

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825 IWAN KIM – The diffusion of weakly interacting particles from the proto-white dwarf star.
828 KWANG-YUN KIM – On the origin of the radio halo in the Coma cluster of galaxies.
831 SUNG-WON KIM, SUNG KE KIM and JONGMANN YANG – Blaue halo thermodynamics for the coronal emission.
835 HYUNG-WON LEE and YONGGUK KIM – Supersymmetric inflationary universe.
838 CHOIL LEE – Geometrical field of topological or topometrical strings.
842 HAMRAIE LEE and YOUNG S. KIM – A new calculation of atmospheric neutrino flux.
845 Won-Bai LEE and Young-Soo KIM – Photometric observations of SW Lac in 1988.
849 W. H. LEE, KIYUSHIKI KIM, YOOG-JAI PARK and YOUNG KIM – Gravitation anomaly and gauged BRST symmetry.
853 HOKRI MABN – Creation from nothing or anything.
857 Song Jae Park and E. T. Vonderrie – An asymmetric, nonstationary electrodynamic model of the central engine in an active galactic nucleus.
861 D. J. Song – Large-scale bulk motion and dark matter.
868 D. SCULLETT – A new cosmological model in a theory of gravitation with higher derivations and the problem of the cosmological constant.
871 D. CALABINO and M. GAVALLONI – The angular two-point correlation functions: data analysis on the COBE.
875 A. FRED – A neutron pulsar in SN1987A.
880 L. ANGELLETTI and P. GALIOTTI – Metal enrichment in spherical star systems.
885 G. GRASSO – Stability of cosmological scalar fields.
891 V. G. GREETZL – Violation of CPT invariance in the typical universe.
910 G. PASSA – Correlations among gravitational waves and neutrino detector data during SN1987A.
919 D. BUCI and P. RASSAT – Helioscience: observational methods and requirements.
923 E. RUFFINI and HYUNG-WON LEE – Multipole spatial correlation function on the self-similar observer homogeneous structure.
930 G. GROSSET and L. CUCMA – Absolute measurements of the cosmic-background radiation at low frequencies.
931 S. TAVARÉ – The fragmentation of the superstructure: a viable explanation for the large-scale structure of the Universe.
940 A. HAMOOG, H. W. LEE and E. RUFFINI – Limits from cosmological nucleosynthesis on the leptonic numbers of the Universe.
949 G. BUSSERELLE, G. LEMO and A. PROV – A new method to compute kinetic energy, virial mass and angular momentum of elliptical galaxies.
Proceedings:
Journal of Korean Physical Society

Participants of IK3 at the Ewha Womens University
Proceedings:
Il Nuovo Cimento 112B
pp.139-529, 1995
Proceedings:
Il Nuovo Cimento 115B
pp.687-1137, 1999

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This meeting was organized to accelerate information interchange between Korean and Italian astrophysicists on new and hot topics on the subject. Especially we wanted to exchange recent developments on modern astrophysics.

Furthermore, this meeting improved the cultural understanding between two countries, the understanding of the origin of gamma ray bursts (GRB) and the X-ray astronomy with hot discussions between active young scientists of both countries. The exchange of new ideas about numerical methods for astrophysics were the basis for realistic large scale simulations.
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The participants of IK9
The program of IK9

Li-Zhi Fang

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<td>Dong N. Page</td>
<td>06.7.19</td>
<td>10:00-11:00</td>
<td>Black Holes Lose Information?</td>
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<tr>
<td>이수통</td>
<td>06.7.19</td>
<td>17:00-18:00</td>
<td>미해석되어 다 론라와?</td>
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<td>Remo I. Ruffini</td>
<td>06.7.20</td>
<td>11:00-12:00</td>
<td>검사까지 다 해준다?</td>
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<tr>
<td>Li-Zhi Fang</td>
<td>06.7.20</td>
<td>17:00-18:00</td>
<td>언제 하늘은 무너지다?</td>
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Public Lecture

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<th>Date</th>
<th>Time</th>
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<tr>
<td>Dong N. Page</td>
<td>06.7.19</td>
<td>10:00-11:00</td>
<td>Research Center I 10th floor</td>
<td>Do Black Holes Lose Information?</td>
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<td>이수통</td>
<td>06.7.19</td>
<td>17:00-18:00</td>
<td>Research Center I 10th floor</td>
<td>Einstein makes mistake?</td>
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<td>Remo I. Ruffini</td>
<td>06.7.20</td>
<td>11:00-12:00</td>
<td>Research Center I 10th floor</td>
<td>Source of Gamma Ray Burst?</td>
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<td>Li-Zhi Fang</td>
<td>06.7.20</td>
<td>17:00-18:00</td>
<td>Research Center I 10th floor</td>
<td>When would the sky fall?</td>
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Don Nelson Page

Soo Jong Rey

Remo I. Ruffini

Blackett Prize Lecture

Einstein also makes mistake!

- LHC: Large Hadron Collider
- CMS: Compact Muon Solenoid
- ATLAS: A Toroidal LHC Apparatus
- Higgs: God particle
- Standard Model
- Dark Matter
- Dark Energy
- Neutrino Oscillation
- Gravitational Waves
- Gravity
- Quantum Mechanics
- Quantum Field Theory
- String Theory

Gamma Ray Burst

- Fermi: Gamma-ray observatory
- Swift: Swift X-ray telescope
- RXTE: Rosetta X-ray telescope
- Chandra: Chandra X-ray telescope
- HETE-2: High-Energy Transient Explorer 2
- INTEGRAL: International Gamma-Ray Astrophysics Laboratory
- eROSITA: eROSITA X-ray telescope
- GOI-2: GOI-2 Gamma-ray observatory

Gamma Ray Burst

- Fermi: Gamma-ray observatory
- Swift: Swift X-ray telescope
- RXTE: Rosetta X-ray telescope
- Chandra: Chandra X-ray telescope
- HETE-2: High-Energy Transient Explorer 2
- INTEGRAL: International Gamma-Ray Astrophysics Laboratory
- eROSITA: eROSITA X-ray telescope
- GOI-2: GOI-2 Gamma-ray observatory
- GRO J1727-27: Gamma-ray pulsar
Some of the participants of IK10
2009 was the 4th centennial anniversary for Galileo’s celestial search using his invented telescope and two years ago Koreans also celebrated four hundred years for Hwang Lee, one of the most famous Confucius scholars, who used a celestial globe to understand the universe. This IK11 in 2009 celebrated the International Year of Astronomy endorsed by UN.
Group photo of the participants of IK11

Meeting with the President of the Sogang University and the Ambassador of Italy in Korea
Group photo of the participants of IK12 at the ICRANet Center
The 12th Italian-Korean meeting was organized by ICRANet, INJE University, Sogang University, Center for Quantum Space Time, National Research Foundation of Korea, Institute for the Early Universe, Korean astronomy & Space Science Institute, Asia Pacific Center for Theoretical Physics, Leung Center for Cosmology and Particle Physics, University of Rome “Sapienza”, University of Nice “Sophia Antipolis”, Stockholm University, Free University of Berlin, ICRA, ENEA, INFN, ICTP, Observatoire de la Côte d’Azur, CBPF, the National Astronomical Observatory (Beijing), the Institutes of High Energy Physics, the Institute of Theoretical Physics, the Institute for the History of Natural Sciences.
This Italian-Korean meeting was held within the program "Korea-Italy collaboration on Relativistic Astrophysics", sponsored by the Italian Ministry of Foreign Affairs. It was especially devoted to the opening of an ICRANet seat at the Ewha Womens University.
Meeting with the Executive Vice-President of the Ewha Womens University
The 13th Italian-Korean Symposium on Relativistic Astrophysics

15 - 19 July 2013, Ewha Womans University, Seoul, Korea

Organizing Committee
Myeong-Gu Park (Kyungpook, Chair), Hyung Won Lee (Inje Univ., Korea, Co-Chair), Remo Ruffini (ICRANet/U of Rome, SOC Co-Chair), Sung-Won Kim (Ewha, SOC Co-Chair), Sangpyo Kim (Kunsan), Xue She-Shang (ICRANet), Vladimir Belinski (ICRANet), II Hung Park (Sungkyunkwan), Hang Soo Kim (Hanyang), Gungwon Kang (KISTI), John J Oh (NIMS), Jin Young Kim (Kunsan), Jungjae Lee (DGIST), Hyoong-Chan Kim (Chungju), Kyoung Yee Kim (Inje)

List of Speakers
Kuantay Boshkayev (al-Farabi Kazakh, ICRANet, Italy)
Pascal Chardonnet (de Sarlov, France)
Ibrar Hussain (NUST, Pakistan)
Alexander A Isayev (Kharkiv, Ukraine)
Luca Izzo (ICRANet, Italy)
Mubasher Jamil (NUST, Pakistan)
Chunglee Kim (Seoul, Korea)
Dong-Hoon Kim (Ewha, Korea)
Hang Seo Kim (Hanyang, Korea)
Hongsoo Kim (KASI, Korea)
Hyeong-Chan Kim (Kor. Nat. U. of Trans., Korea)
Jin Young Kim (Kunsan, Korea)
Sang Pyo Kim (Kunsan, Korea)
Soon-Wook Kim (KASI, Korea)
Sung-Won Kim (Ewha, Korea)
Hyung Woon Lee (Inje, Korea)
Jae-Woon Lee (Ewha, Korea)
Seung-Hun Oh (Konkuk, Korea)
Luca Paganini (ICRANet, Italy)
Mun Park (Sungkyunkwan, Korea)
Myeong-Gu Park (Kyungpook, Korea)
Seong Chan Park (Sungkyunkwan, Korea)
Jorge Rueda (ICRANet, Italy)
Remo Ruffini (Rome/ICRANet, Italy)
Arshad Siddiqui (NUST, Pakistan)
Shisheng Xue (ICRANet, Italy)
Jong Hyuk Yoon (Konkuk, Korea)

Organizing Institutes and Sponsors
Astrophysics Division of the Korean Physical Society, ICRANet (International Center for Relativistic Astrophysics), Erasmus Mundus
APCTP, Inje University, Ewha Womans University, Center for Gravitational Research

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