

"Black Holes in General Relativity and String Theory"

Veli Lošinj (Croatia), August 24th -30th 2008

ECSAC European Centre for Science, Arts and Culture

VIII International Conference on Science, Arts and Culture

The workshop is organised by: Consorzio per la Fisica, Trieste, Italy; European Centre for Science Arts and Culture (ECSAC), Veli Lošinj, Croatia and Trieste, Italy; International School for Advanced Studies (SISSA), Trieste, Italy; Physics Department, Faculty of Science, University of Zagreb, Croatia; Ruđer Bošković Institute, Zagreb, Croatia

The workshop is organised within the framework of the Central European Joint Programme of Doctoral Studies in Theoretical Physics (Particle Theory, Gravity and Cosmology)

The topic of the workshop will cover astrophysical black holes (from supermassive to stellar), primordial and minblack holes, both experimentally, phenomenologically and theoretically. Black holes are of utmost interest because they are likely to represent nowadays the most important clue to quantum gravity. Particular emphasis will be given to quantum aspects of black holes both from string theory and general relativity approach. The workshop programme will also contain a few introductory lectures on the most important topics concerning black holes. Short contributions by younger scientists are welcomed.

The workshop programme:

- Astrophysical Black Holes (from supermassive to stellar)
- Primordial and Mini Black Holes
- Black Hole Entropy
- Information Paradox
- Asymptotic Symmetries
- Anomalies
- Attractor Mechanism
- Holography
- ADS/CFT correspondence

Speakers include:

- I. Bena, Institut CEA Saclay, Gif sur Yvette, France
- M. Cadoni, Università degli Studi di Cagliari, Italy
- G. L. Cardoso, Ludwig-Maximilians-Univ., Munich, Germany
- A. Celotti, SISSA, Trieste, Italy
- R. D'Auria, Politecnico di Torino, Italy
- P. Dominis Prester, University of Rijeka, Croatia
- D. Gaiotto, Institute for Advanced Study, Princeton University, USA
- E. Gava, Istituto Nazionale di Fisica Nucleare, sezione di Trieste, Italy
- T. Harmark, The Niels Bohr Institute, Copenhagen, Denmark
- P. Kraus, University of California, UCLA, USA
- S. D. Mathur, Ohio State University, USA
- A. Müller, Excellence Cluster Universe, Munich, Germany
- M. O'Loughin, University of Nova Gorica, Slovenia
- R. Parentani, Université de Paris-Sud XI, France
- V. S. Rychkov, Scuola Normale Superiore, Pisa, Italy
- A. Schwimmer, Weizmann Institute, Rehovot, Israel
- I. L. Shapiro, Universidade Federal de Juiz de Fora, Brazil
- M. Visser, Victoria University of Wellington, New Zealand
- J. Zanelli, Centro de Estudios Científicos (CECS), Valdivia, Chile

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Deadline for application: May 15th 2008

Sponsors

- Central European Initiative, Trieste, Italy
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