

International Workshop on *Dark Matter, Dark Energy* *Matter-antimatter Asymmetry* 暗物質、暗能量及物質-反物質不對稱

Nov. 20-21, 2009 Phys. Dept. National Tsing Hua Univ., Hsinchu, Taiwan

Introduction

With less than 5% of the energy content of the Universe identified as the ordinary baryonic matter, the understandings of both dark matter and dark energy as well as the matter-antimatter asymmetry are among the paramount problems in physics today. This workshop is devoted to questions pertaining to dark matter, dark energy and the matter-antimatter asymmetry in the Universe. This meeting will bring together a wide range of international and local experts to discuss current ideas and models of the dark side and baryogenesis.

Speakers

Overseas Speakers:

- X. J. Bi (IHEP, Beijing)
- C. R. Chen (IPMU, Univ. of Tokyo)
- A. D. Felice (Tokyo Univ. of Sci.)
- S. Nojiri (Nagoya University)
- T. Tanaka (Kyoto University)
- S. Tsujikawa (Tokyo Univ. of Sci.)
- J. M. Yang (ITP, Beijing)

Local Speakers:

- T. Araki (NTHU)
- K. Bamba (NTHU)
- C.S. Chen (NCKU/AS)
- S. Law (CYCU)
- S. Lee (AS)
- H. H. Mei (NTHU)
- W. T. Ni (NTHU)
- T. T. Qiu (CYCU)
- C. L. Shan (NCKU)
- T. K. Wong (AS)
- D. V. Zhuridov (NTHU)

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Topics

- Dark matter theory
- Dark matter experiment
- Dark energy theory
- Baryogenesis and leptogenesis
- Modifications to gravity
- Inflation

Sponsors

- National Tsing Hua University
- Huan-Cheh Yen Physics Foundation
- National Center for Theoretical Science

Organizers

- K. Bamba
- C. Q. Geng (Chair)
- S. H. Ho

