

3rd International Workshop on *Dark Matter, Dark Energy and Matter–Antimatter Asymmetry*

暗物質、暗能量及物質-反物質不對稱

December 28–29, 2012 – NCTS, General 3rd Building, NTHU, Hsinchu, Taiwan

December 30–31, 2012 – LeCosPA, Astronomy–Mathematics Building, NTU, Taipei, Taiwan

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 fundamental science today including high energy and gravity physics. 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.

Website

- <http://www.phys.nthu.edu.tw/~dark/2012/>

Registration

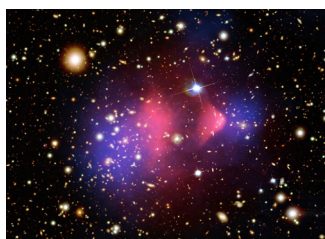
- Registration deadline is **December 20, 2012**

Topics

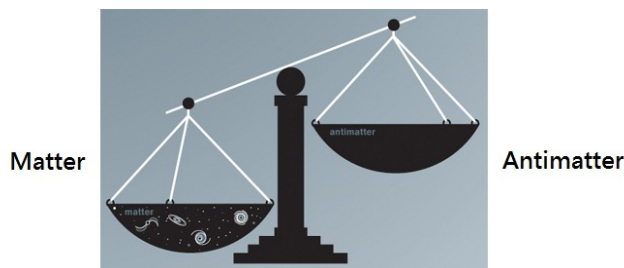
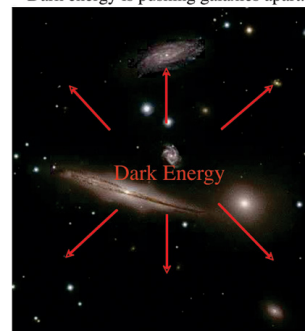
- Baryogenesis and Leptogenesis
- Dark Energy
- Dark Matter
- Neutrino
- Gravity Theory
- Inflation

Organization Committee

- Kazuharu Bamba (KMI, Japan)
- Chuan–Hung Chen (NCKU)
- Pisin Chen (NTU)
- Chao–Qiang Geng (NCTS/NTHU) (**Chair**)
- Yun–Gui Gong (HUST, China)
- Je–An Gu (NTU) (**Co–Chair**)
- Xiao–Gang He (NCTS/NTU)
- Guey–Lin Lin (NCTU)
- Wolung Lee (NTNU)
- Guo–Chin Liu (TKU)
- Kin–Wang Ng (AS)



Dark energy is pushing galaxies apart.



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Sponsors

- National Center for Theoretical Sciences (NCTS)
- National Tsing Hua University (NTHU)
- Leung Center for Cosmology and Particle Astrophysics (LeCosPA)
- Physics Research Promotion Center (PRPC)