



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – Feb. 2008

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[Restoring holographic dark energy in brane cosmology](#)

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[Accelerating universe in  \$f\(R\)\$  brane gravity](#)

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[Possibility of Observing Dark Matter via the Gyromagnetic Faraday Effect](#)

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[How Cold Is Cold Dark Matter? Small-Scales Constraints from the Flux Power Spectrum of the High-Redshift Lyman- \$\alpha\$  Forest](#)

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[Dark Matter and the First Stars: A New Phase of Stellar Evolution](#)

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[Gamma-Ray Spectrum from Gravitino Dark Matter Decay](#)

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[Search for Axionlike Particles Using a Variable-Baseline Photon-Regeneration Technique](#)

A. S. Chou, W. Wester, A. Baumbaugh, H. R. Gustafson, Y. Irizarry-Valle, P. O. Mazur, J. H. Steffen, R. Tomlin, X. Yang, J. Yoo.

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[Sterile neutrinos as the warm dark matter in the type II seesaw model](#)

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[Threshold resummation effects in the associated production of chargino and neutralino at hadron colliders](#)

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[Gravitino dark matter with weak-scale right-handed sneutrino](#)

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[New interactions in the dark sector mediated by dark energy](#)

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[Self-calibration of tomographic weak lensing for the physics of baryons to constrain dark energy](#)

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[Compact stars as dark matter probes](#)

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[Is it possible to explain neutrino masses with scalar dark matter?](#)

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[Further look at particle annihilation in dark matter caustics](#)

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[Directional recoil rates for WIMP direct detection](#)

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[The zero age main sequence of WIMP burners](#)

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[Little Dwarf Galaxies survive within Bigger Dwarfs: Why Some Dwarfs Go Dark and Others Stay Luminous](#)

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[Clustering Properties of Dynamical Dark Energy Models](#)

P. P. Avelino, L.M.G. Beca, C.J.A.P. Martins.

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Mubasher Jamil, Muneer A Rashid.

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Kaj Wiik, Erik Zackrisson, Teresa Riehm.

[The Dynamics of Subhalos in Warm Dark Matter Models](#)

Alexander Knebe, Bastian Arnold, Chris Power, Brad K. Gibson.

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Katherine Freese, Douglas Spolyar, Anthony Aguirre.

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Flavio De Lorenzi, Ortwin Gerhard, Roberto P. Saglia, Niranjan Sambhus, Victor P. Debattista, Maurilio Pannella, Roberto H. Mendez.

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Shigenori Ohashi, Masashi Chiba, Kaiki Taro Inoue.

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Antonio Dobado, Antonio L. Maroto.

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Alexander Knebe, Nadya Draganova, Chris Power, Gustavo Yepes, Yehuda Hoffman, Stefan Gottloeber, Brad K. Gibson.

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Sébastien Peirani, José Antonio De Freitas Pacheco.

[Could dark matter or neutrinos discriminate between the enantiomers of a chiral molecule?](#)

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[Dark matter subhalos and the dwarf satellites of the Milky Way](#)

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[Cosmological Constraints on Invisible Decay of Dark Matter](#)

Yan Gong, Xuelei Chen.

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Roya Mohayaee, Jacques Colin.

[High Energy Positrons and the WMAP Haze from Exciting Dark Matter](#)

Ilias Cholis, Lisa Goodenough, Neal Weiner.

[Decaying Majoron Dark Matter and Neutrino Masses](#)

Massimiliano Lattanzi.

[Optimal angular window for observing Dark Matter annihilation from the Galactic Center region: the case of gamma-ray lines](#)

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[Gamma-Ray Bursts in  \$1.8 < z < 5.6\$  Suggest that the Time Variation of the Dark Energy is Small](#)

Yoshiki Kodama, Daisuke Yonetoku, Toshio Murakami, Sachiko Tanabe, Ryo Tsutsui, Takashi Nakamura.

[A Search for WIMPs with the First Five-Tower Data from CDMS](#)

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[WMAP Haze: Directly Observing Dark Matter?](#)

Michael McNeil Forbes, Ariel R. Zhitnitsky.

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John Dubinski, Jean-Rene Gauthier, Larry Widrow, Sarah Nickerson.

[Investigation on light dark matter](#)

R. Bernabei, P. Belli, F. Cappella, R. Cerulli, C.J. Dai, H.L. He, A. Incicchitti, H.H. Kuang, J.M. Ma, X.H. Ma, F. Montecchia, F. Nozzoli, D. Prospero, X.D. Sheng, Z.P. Ye, R.G. Wang, Y.J. Zhang.

[The dynamical structure of dark matter haloes](#)

Yago Ascasibar, Stefan Gottloeber.

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J.-M. Virey, D. Talon-Esmieu, A. Ealet, P. Taxil, A. Tilquin.

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A. Yu. Ignatiev.

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Marco Regis, Piero Ullio.

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Dan Hooper, Edward A. Baltz.

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B. Reville, S. O'Sullivan, P. Duffy, J.G. Kirk.

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Yukio Tomozawa.

[Neutrinos from Auger Sources](#)

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[Transfer matrix method to study electromagnetic shower](#)

Ashok Razdan.

## X and GAMMA RAYS

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[The likely cause of the EGRET GeV anomaly and its implications](#)

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[Observations of the Sagittarius dwarf galaxy by the HESS experiment and search for a dark matter signal](#)

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[Constraints on the TeV source population and its contribution to the galactic diffuse TeV emission](#)

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[Upper limit on the cosmic gamma-ray burst rate from high energy diffuse neutrino background](#)

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Pasquale D. Serpico, Gabrijela Zaharijas.

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[Gamma-Ray Bursts in  \$1.8 < z < 5.6\$  Suggest that the Time Variation of the Dark Energy is Small](#)

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M. S. Tashiro, *et al.*

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R. Guardiola, J. Navarro.

## NEUTRINOS AND PROTON DECAY

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*ApP*

[High energy neutrinos from astrophysical accelerators of cosmic ray nuclei](#)

Luis A. Anchordoqui, Dan Hooper, Subir Sarkar and Andrew M. Taylor

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S. Desai, K. Abe, Y. Hayato, K. Iida, K. Ishihara, J. Kameda, Y. Koshio, A. Minamino, C. Mitsuda, M. Miura, S. Moriyama, M. Nakahata, Y. Obayashi, H. Ogawa, M. Shiozawa, Y. Suzuki, A. Takeda, Y. Takeuchi, K. Ueshima, H. Watanabe, *et al.*

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Pijushpani Bhattacharjee, Sovan Chakraborty, Srirupa Das Gupta, Kamales Kar.

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