

DARK MATTER AND DARK ENERGY

JCAP

[Cosmological implications of supersymmetric axion models](#)

Masahiro Kawasaki, Kazunori Nakayama and Masato Senami

[Cosmological implications of a scale invariant standard model](#)

Pankaj Jain, Subhadip Mitra and Naveen K Singh

[Axion–dilaton cosmology and dark energy](#)

Riccardo Catena and Jan Möller

[Gravitational wave sirens as a triple probe of dark energy](#)

Eric V Linder

[Dark matter candidates: a ten-point test](#)

Marco Taoso, Gianfranco Bertone and Antonio Masiero

PLB

[Dark energy, inflation and the cosmic coincidence problem](#)

Jungjai Lee, Hyeong-Chan Kim and Jae-Weon Lee

[Possible theoretical limits on holographic quintessence from weak gravity conjecture](#)

Yin-Zhe Ma and Xin Zhang

[A new test for dark matter particles of low mass](#)

Céline Boehm and Joseph Silk

[Unified picture for Dirac neutrinos, dark matter, dark energy and matter–antimatter asymmetry](#)

Pei-Hong Gu

[Gravitational time delay of light for various models of modified gravity](#)

Hideki Asada

NIMA

[Discovery of underground argon with low level of radioactive \$^{39}\text{Ar}\$ and possible applications to WIMP dark matter detectors](#)

D. Acosta-Kane, R. Acciarri, O. Amaize, M. Antonello, B. Baibussinov, M. Baldo Ceolin, C.J. Ballentine, R. Bansal, L. Basgall, A. Bazarko, P. Benetti, J. Benziger, A.

Burgers, F. Calaprice, E. Calligarich, M. Cambiaghi, N. Canci, F. Carbonara, M. Cassidy, F. Cavanna, *et al.*

[The ZEPLIN II dark matter detector: Data acquisition system and data reduction](#)

G.J. Alner, H.M. Araújo, A. Bewick, C. Bungau, B. Camanzi, M.J. Carson, H. Chagani, V. Chepel, D. Cline, D. Davidge, J.C. Davies, E. Daw, J. Dawson, T. Durkin, B. Edwards, T. Gamble, J. Gao, C. Ghag, W.G. Jones, M. Joshi, *et al.*

PRL

[Baryon Acoustic Oscillation Intensity Mapping of Dark Energy](#)

Tzu-Ching Chang, Ue-Li Pen, Jeffrey B. Peterson, Patrick McDonald.

PRD

[Search for chargino-neutralino production in \$p\bar{p}\$ collisions at \$\sqrt{s}=1.96\$ TeV with high- \$p_T\$ leptons](#)

T. Aaltonen, *et al.*

[Complementarity of gamma-ray and CERN LHC searches for neutralino dark matter in the focus point region](#)

E. Moulin, A. Jacholkowska, G. Moulhaka, J.-L. Kneur, E. Nuss, T. Lari, G. Polesello, D. Tovey, M. White, Z. Yang.

[Milky Way as a kiloparsec-scale axionscope](#)

Melanie Simet, Dan Hooper, Pasquale D. Serpico.

[Neutrino mass, dark energy, and the linear growth factor](#)

Angeliki Kiakotou, Øystein Elgarøy, Ofer Lahav.

[Dark energy, colored anti-de Sitter vacuum, and the CERN Large Hadron Collider phenomenology](#)

Dejan Stojkovic, Glenn D. Starkman, Reijiro Matsuo.

[Sterile neutrino dark matter in warped extra dimensions](#)

Kenji Kadota.

[Dark matter from late decays and the small-scale structure problems](#)

Francesca Borzumati, Torsten Bringmann, Piero Ullio.

[Linear and nonlinear instabilities in unified dark energy models](#)

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

[Positrons from dark matter annihilation in the galactic halo: Theoretical uncertainties](#)

T. Delahaye, R. Lineros, F. Donato, N. Fornengo, P. Salati.

[Dark matter accretion into supermassive black holes](#)

Sébastien Peirani, J. A. de Freitas Pacheco.

[Hadronic uncertainties in the elastic scattering of supersymmetric dark matter](#)

John Ellis, Keith A. Olive, Christopher Savage.

[Neutralino decay of MSSM neutral Higgs bosons](#)

Tarek Ibrahim.

[Dynamical mutation of dark energy](#)

L. R. Abramo, R. C. Batista, L. Liberato, R. Rosenfeld.

MPLA

[A SURVEY OF DARK MATTER DIRECT DETECTION SEARCHES AND TECHNIQUES AT THE BEGINNING OF THE 21ST CENTURY](#)

TAREK SAAB

arXiv

[Dark matter dynamics in Galactic center](#)

Eugene Vasiliev, Maxim Zelnikov.

[Conservative Constraints on Dark Matter Annihilation into Gamma Rays](#)

Gregory D. Mack, Thomas D. Jacques, John F. Beacom, Nicole F. Bell, Hasan Yuksel.

[The Energy Cascade from Warm Dark Matter Decays](#)

M. Valdés, A. Ferrara.

[Milky Way potentials in CDM and MOND. Is the Large Magellanic Cloud on a bound orbit?](#)

Xufen Wu, Benoit Famaey, Gianfranco Gentile, Hagai Perets, HongSheng Zhao.

[Dark Energy and the Accelerating Universe](#)

Joshua Frieman, Michael Turner, Dragan Huterer.

[Constraints on scalar-tensor models of dark energy from observational and local gravity tests](#)

Shinji Tsujikawa, Kotub Uddin, Shuntaro Mizuno, Reza Tavakol, Jun'ichi Yokoyama.

[Distribution Function of Dark Matter with Constant Anisotropy](#)

Ding Ma, Ping He.

[The tightening of wide binaries in dSph galaxies through dynamical friction as a test of the Dark Matter hypothesis](#)

X. Hernandez, William H. Lee.

[Cosmological constraints on neutrino plus axion hot dark matter: Update after WMAP-5](#)
Steen Hannestad, Alessandro Mirizzi, Georg G. Raffelt, Yvonne Y. Y. Wong.

[Planck priors for dark energy surveys](#)
Pia Mukherjee, Martin Kunz, David Parkinson, Yun Wang.

[Gravitational Lensing Constraints on Dynamical and Coupled Dark Energy](#)
G. La Vacca, L. P. L. Colombo.

[Clustering, Angular Size and Dark Energy](#)
R. C. Santos, J. A. S. Lima.

[A prescription for the conditional mass function of dark matter haloes](#)
J.A. Rubino-Martin, J. Betancort-Rijo, S. Patiri.

[Constraints on the decay of dark matter to dark energy from weak lensing bispectrum tomography](#)
Bjoern Malte Schaefer, Gabriela Alejandra Caldera-Cabral, Roy Maartens.

[The integrated Sachs-Wolfe effect in cosmologies with coupled dark matter and dark energy](#)
Bjoern Malte Schaefer.

[Ultra-cold WIMPs: relics of non-standard pre-BBN cosmologies](#)
Graciela B. Gelmini, Paolo Gondolo.

[A Singularity Problem with \$f\(R\)\$ Dark Energy](#)
Andrei V. Frolov.

[Shifting the Universe: Early Dark Energy and Standard Rulers](#)
Eric V. Linder, Georg Robbers.

[Interacting Dark Energy with Inhomogeneous Equation of State](#)
Mubasher Jamil, Muneer Ahmad Rashid.

[A back-reaction approach to dark energy](#)
Valerio Marra.

[Cosmological constraint on unparticle dark matter](#)
Yan Gong, Xuelei Chen.

[How to Distinguish Dark Energy and Modified Gravity?](#)

Hao Wei, Shuang Nan Zhang.

[Constraints on Dark Energy from Galaxy Cluster Gas Mass Fraction versus Redshift data](#)
Lado Samushia, Bharat Ratra.

[Planets and Dark Energy](#)
Carl H. Gibson, Rudolph E. Schild.

[Figure of Merit for Dark Energy Constraints from Current Observational Data](#)
Yun Wang.

[Constraining the evolution of dark energy with type Ia supernovae and gamma-ray bursts](#)
Shi Qi, Fa-Yin Wang, Tan Lu.

[New agegraphic dark energy model with generalized uncertainty principle](#)
Yong-Wan Kim, Hyung Won Lee, Yun Soo Myung, Mu-In Park.

[Dark Energy Accretion onto black holes in a cosmic scenario](#)
Prado Martín-Moruno, Az-Eddine L. Marrakchi, Salvador Robles-Pérez, Pedro F. González-Díaz.

["Detuned" \$f\(R\)\$ gravity and dark energy](#)
Nathalie Deruelle, Misao Sasaki, Yuuiti Sendouda.

[3-loop Yang-Mills Condensate Dark Energy Model](#)
Shuang Wang, Yang Zhang, Tian-Yang Xia.

[Origin of holographic dark energy models](#)
Yun Soo Myung, Min-Gyun Seo.

[Present Acceleration of Universe, Holographic Dark Energy and Brans-Dicke Theory](#)
Bibekananda Nayak, Lambodar Prasad Singh.

[Star Models with Dark Energy](#)
R. Chan, M.F.A. da Silva, J.F. Villas da Rocha.

[Ultra-Low-Energy Germanium Detector for Neutrino-Nucleus Coherent Scattering and Dark Matter Searches](#)
Henry T. Wong.

[B and not L in supersymmetry: new \$U\(1\)\$ gauge symmetry and dark matter](#)
Ernest Ma.

[SO\(10\) SUSY GUTs, the gravitino problem, non-thermal leptogenesis and axino dark matter](#)

Howard Baer, Heaya Summy.

[Photons from Kaluza-Klein Dark Matter](#)

Marco Regis.

[Neutrino Signals from Solar Neutralino Annihilations in Anomaly Mediated Supersymmetry Breaking Model](#)

Jia Liu, Peng-fei Yin, Shou-hua Zhu.

[Resonant scattering and recombination of pseudo-degenerate WIMPs](#)

Maxim Pospelov, Adam Ritz.

[Dark matter direct detection rate in a generic model with micrOMEGAs2.1](#)

G.Belanger, F.Boudjema, A.Pukhov, A.Semenov.

[Neutralino relic density from ILC measurements in the CPV MSSM](#)

G. Belanger, O. Kittel, S. Kraml, H.-U. Martyn, A. Pukhov.

[Antideuteron fluxes from dark matter annihilation in diffusion models](#)

Fiorenza Donato, Nicolao Fornengo, David Maurin.

[Singlet fermionic dark matter](#)

Yeong Gyun Kim, Kang Young Lee, Seodong Shin.

[A Hidden Valley model of cold dark matter](#)

Wojciech Krolkowski.

[Neutralino decay of MSSM neutral Higgs bosons](#)

Tarek Ibrahim.

[Proton Stability, Dark Matter and Light Color Octet Scalars in Adjoint SU\(5\) Unification](#)

Pavel Fileviez Perez, Hoernisa Iminniyaz, German Rodrigo.

[The WIMPless Miracle](#)

Jonathan L. Feng, Jason Kumar.

[Model-Independent Determination of the WIMP Mass from Direct Dark Matter Detection Data](#)

Manuel Drees, Chung-Lin Shan.

[Is dark energy from cosmic Hawking radiation?](#)

Jae-Weon Lee, Hyeong-Chan Kim, Jungjai Lee.



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – March 2008

[Phantom and non-phantom dark energy: The cosmological relevance of non-locally corrected gravity](#)

S. Jhingan, S. Nojiri, S. D. Odintsov, M. Sami, I Thongkool, S. Zerbini.

[Neutrinos, Axions and Conformal Symmetry](#)

Krzysztof A. Meissner, Hermann Nicolai.

[Hilbertian Repulsive Effect and Dark Energy](#)

Angelo Loinger, Tiziana Marsico.

[Scintillation yield of liquid xenon at room temperature](#)

K. Ueshima, K. Abe, T. Iida, M. Ikeda, K. Kobayashi, Y. Koshio, *et al.*

[From the Dark Matter Universe to the Dark Energy Universe](#)

Burra G.Sidharth.

COSMIC RAYS

ApP

[Angular power spectra of ultra-high energy cosmic rays traveling through the galactic magnetic field](#)

Megan McEwen

[A macroscopic description of coherent geo-magnetic radiation from cosmic-ray air showers](#)

O. Scholten, K. Werner and F. Rusydi

JCAP

[Global anisotropy of arrival directions of ultra-high-energy cosmic rays: capabilities of space-based detectors](#)

O E Kalashev, B A Khrenov, P Klimov, S Sharakin and S V Troitsky

NIMA

[The surface detector system of the Pierre Auger Observatory](#)

I. Allekotte, A.F. Barbosa, P. Bauleo, C. Bonifazi, B. Civit, C.O. Escobar, B. García, G. Guedes, M. Gómez Berisso, J.L. Harton, M. Healy, M. Kaducak, P. Mantsch, P.O. Mazur, C. Newman-Holmes, I. Pepe, I. Rodriguez-Cabo, H. Salazar, N. Smetniansky-De Grande and D. Warner

PRD

[Remnant break-up and muon production in cosmic ray air showers](#)

Hans-Joachim Drescher.

arXiv

[Identifying the Sources of the Galactic Cosmic Rays with IceCube](#)

Francis Halzen, Alexander Kappes, Aongus O'Murchadha.

[A search for Extragalactic Sources of Ultrahigh-Energy Cosmic Rays](#)

A.A. Ivanov, Yakutsk array group.

[Morphological evidence for azimuthal variations of the cosmic ray ion acceleration at the blast wave of SN 1006](#)

Gamil Cassam-Chenai, John P. Hughes, Estela M. Reynoso, Carles Badenes, David Moffett.

[The energy spectrum of all-particle cosmic rays around the knee region observed with the Tibet-III air-shower array](#)

M. Amenomori.

[GRB: magnetic fields, cosmic rays, and emission from first principles?](#)

Andrei Gruzinov.

[Cosmic rays through the Higgs portal](#)

Rainer Dick, Robert B. Mann, Kai E. Wunderle.

[Secondary protons from ultra high energy cosmic ray nuclei: is the Greisen-Zatsepin-Kuzmin cutoff unavoidable?](#)

R. Aloisio, V. Berezhinsky, A. Gazizov.

[Cosmic ray primary mass composition above the knee: deduction from lateral distribution of electrons](#)

R. I. Raikin, A. A. Lagutin, A. V. Yushkov.

[High-energy cosmic ray fluxes in the Earth atmosphere: calculations vs experiments](#)

A. A. Kochanov, T. S. Sinegovskaya, S. I. Sinegovsky.

[Pregalactic LiBeB Production by Supernova Cosmic Rays](#)

Motohiko Kusakabe.

[Time Structure of Ultra-High Energy Cosmic Ray Sources and Consequences for Multi-messenger Signatures](#)

Guenter Sigl.

[Testing the proposed link between cosmic rays and cloud cover](#)



T. Sloan, A.W. Wolfendale.

[Galactic Cosmic Rays - Clouds Effect and Bifurcation Model of the Earth Global Climate. Part 1. Theory](#)

V. Rusov, A. Glushkov, V. Vaschenko, O. Mihalys, S. Kosenko, S. Mavrodiev, B. Vachev.

[Galactic Cosmic Rays - Clouds Effect and Bifurcation Model of the Earth Global Climate. Part 2. Comparison of Theory with Experiment](#)

V. Rusov, A. Glushkov, V. Vaschenko, O. Mihalys, S. Kosenko, S. Mavrodiev, B. Vachev.

X and GAMMA RAYS

ApP

[Single photon counting approach for imaging atmospheric Cherenkov telescopes](#)

O. Catalano, M.C. Maccarone and B. Sacco

[Corrigendum to “Robust limits on Lorentz violation from gamma-ray bursts” \[Astropart. Phys. 25 \(2006\) 402\]](#)

John Ellis, N.E. Mavromatos, D.V. Nanopoulos, A.S. Sakharov and E.K.G. Sarkisyan

PRD

[Complementarity of gamma-ray and CERN LHC searches for neutralino dark matter in the focus point region](#)

E. Moulin, A. Jacholkowska, G. Moultaqa, J.-L. Kneur, E. Nuss, T. Lari, G. Polesello, D. Tovey, M. White, Z. Yang.

[Search for gravitational waves associated with 39 gamma-raybursts using data from the second, third, and fourth LIGO runs](#)

B. Abbott, *et al.*.

[Extracting the gamma ray signal from dark matter annihilation in the galactic center region](#)

Scott Dodelson, Dan Hooper, Pasquale D. Serpico.

arXiv

[Implications of H.E.S.S. observations of pulsar wind nebulae](#)

O.C. de Jager, A. Djannati-Ataï.

[Conservative Constraints on Dark Matter Annihilation into Gamma Rays](#)

Gregory D. Mack, Thomas D. Jacques, John F. Beacom, Nicole F. Bell, Hasan Yuksel.

[Early emission of rising optical afterglows: The case of GRB 060904B and GRB 070420](#)

A. Klotz, B. Gendre, G. Stratta, A. Galli, A. Corsi, B. Preger, S. Cutini, A. Pelangeon, J.L. Atteia, M. Boer, L. Piro.

[Chandra and H.E.S.S. observations of the Supernova Remnant CTB 37B](#)

HESS Collaboration, F. Aharonian.

[Energy spectra of gamma-rays, electrons and neutrinos produced at interactions of relativistic protons with low energy radiation](#)

S.R. Kelner, F.A. Aharonian.

[Discovery of a VHE gamma-ray source coincident with the supernova remnant CTB 37A](#)

HESS Collaboration, F. Aharonian.

[VHE Gamma-rays from Galactic X-ray Binary Systems](#)

J.M. Paredes.

[Discovery of a Young, Energetic 70.5 ms Pulsar Associated with the TeV Gamma-ray Source HESS J1837-069](#)

E. V. Gotthelf, J. P. Halpern.

[Ground based gamma-ray astronomy with Cherenkov Telescopes](#)

Jim Hinton.

[Correlations Between Lag, Luminosity, and Duration in Gamma-ray Burst Pulses](#)

Jon Hakkila, Timothy W. Giblin, Jay P. Norris, P. Chris Fragile, Jerry T. Bonnell.

[Global characteristics of GRBs observed with INTEGRAL and the inferred large population of low-luminosity GRBs](#)

S. Foley, S. McGlynn, L. Hanlon, S. McBreen, B. McBreen.

[Taxonomy of GRB optical light-curves: identification of a salient class of early afterglows](#)

A. Panaitescu, W.T. Vestrand.

[The Spectral Lag of GRB060505: A Likely Member of the Long Duration Class](#)

S. McBreen, S. Foley, D. Watson, L. Hanlon, D. Malesani, J. P. U. Fynbo, D. A. Kann, N. Gehrels, S. McGlynn, D. Palmer.

[The Connection between Gamma-Ray Bursts and Extremely Metal-Poor Stars as Nucleosynthetic Probes of the Early Universe](#)

K. Nomoto, N. Tominaga, M. Tanaka, K. Maeda, H. Umeda.

[On the distribution of stellar masses in gamma-ray burst host galaxies](#)

J. M. Castro Cerón, M. J. Michałowski, J. Hjorth, D. Malesani, J. Gorosabel, D. Watson, J. P. U. Fynbo.

[The Galaxy Population Hosting Gamma-Ray Bursts](#)

S. Savaglio, K. Glazebrook, D. Le Borgne.

[Exploring a SNR/Molecular Cloud Association Within HESS J1745-303](#)

HESS Collaboration, F. Aharonian.

[Observations of the Naked-Eye GRB 080319B: Implications of Nature's Brightest Explosion](#)

J.S. Bloom, D. A. Perley, W. Li, N. R. Butler, A. A. Miller, D. Kocevski, D. A. Kann, R. J. Foley, H.-W. Chen, A. V. Filippenko, D. L. Starr, B. Macomber, J. X. Prochaska, R. Chornock, D. Poznanski, S. Klose.

[Stochastically Induced Gamma-Ray Burst Wakefield Processes](#)

J. Trier Frederiksen.

[Simulations of Ultrarelativistic Magnetodynamic Jets from Gamma-ray Burst Engines](#)

Alexander Tchekhovskoy, Jonathan C. McKinney, Ramesh Narayan.

[The extreme, red afterglow of GRB 060923A: Distance or dust?](#)

N. R. Tanvir, A. J. Levan, E. Rol, R. L. C. Starling, J. Gorosabel, R. S. Priddey, D. Malesani, P. Jakobsson, P. T. O'Brien, A. O. Jaunsen, J. Hjorth, J. P. U. Fynbo, A. Melandri, A. Gomboc, B. Milvang-Jensen, A. S. Fruchter, M. Jarvis, C. A. C. Fernandes, T. Wold.

[Constraining the evolution of dark energy with type Ia supernovae and gamma-ray bursts](#)

Shi Qi, Fa-Yin Wang, Tan Lu.

[Gravitational collapse of a spherical star with heat flow as a possible energy mechanism of gamma-ray bursts](#)

Zhe Chang, Cheng-Bo Guan, Chao-Guang Huang, Xin Li.

NEUTRINOS AND PROTON DECAY

ApP

[In situ radioglaciological measurements near Taylor Dome, Antarctica and implications for ultra-high energy \(UHE\) neutrino astronomy](#)

D.Z. Besson, J. Jenkins, S. Matsuno, J. Nam, M. Smith, S.W. Barwick, J.J. Beatty, W.R.

Binns, C. Chen, P. Chen, J.M. Clem, A. Connolly, P.F. Dowkontt, M.A. DuVernois, R.C. Field, D. Goldstein, P.W. Gorham, A. Goodhue, C. Hast, C.L. Hebert, *et al.*

JCAP

[The cosmic neutrino background and the age of the Universe](#)

Francesco De Bernardis, Alessandro Melchiorri, Licia Verde and Raul Jimenez

PLB

[Correlation between the charged current interactions of light and heavy Majorana neutrinos](#)

Zhi-zhong Xing

[Effects of non-standard interactions in the MINOS experiment](#)

Mattias Blennow, Tommy Ohlsson and Julian Skrotzki

[New prediction for leptonic \$\theta_{13}\$](#)

S. Nandi and Zurab Tavartkiladze

NIMA

[Permafrost—An alternative target material for ultra-high energy neutrino detection?](#)

R. Nahnauer, A.A. Rostovtsev and D. Tosi

[Evaluation of radioactive background rejection in \$^{76}\text{Ge}\$ neutrino-less double-beta decay experiments using a highly segmented HPGe detector](#)

D.B. Campbell, K. Vetter, R. Henning, K. Lesko, Y.D. Chan, A.W.P. Poon, M. Perry, D. Hurley and A.R. Smith

[A \$^{13}\text{C}\(\alpha,n\)^{16}\text{O}\$ calibration source for KamLAND](#)

David W. McKee, Jerome K. Busenitz and Igor Ostrovskiy

[A scintillator purification system for the Borexino solar neutrino detector](#)

J. Benziger, L. Cadonati, F. Calaprice, M. Chen, A. Corsi, F. Dalnoki-Veress, R. Fernholz, R. Ford, C. Galbiati, A. Goretti, E. Harding, Aldo Ianni, Andrea Ianni, S. Kidner, M. Leung, F. Loeser, K. McCarty, D. McKinsey, A. Nelson, A. Pocar, *et al.*

PRL

[Dirac Neutrino Masses from Generalized Supersymmetry Breaking](#)

Durmuş A. Demir, Lisa L. Everett, Paul Langacker.

[Unitary Parametrization of Perturbations to Tribimaximal Neutrino Mixing](#)

Sandip Pakvasa, Werner Rodejohann, Thomas J. Weiler.

[Nuclear Structure Relevant to Neutrinoless Double \$\beta\$ Decay: \$^{76}\text{Ge}\$ and \$^{76}\text{Se}\$](#)

J. P. Schiffer, S. J. Freeman, J. A. Clark, C. Deibel, C. R. Fitzpatrick, S. Gros, A. Heinz, D. Hirata, C. L. Jiang, B. P. Kay, A. Parikh, P. D. Parker, K. E. Rehm, A. C. C. Villari, V. Werner, C. Wrede.

PRD

[Search for matter-dependent atmospheric neutrino oscillations in Super-Kamiokande](#)

K. Abe, *et al.*

[Precise formulation of neutrino oscillation in the Earth](#)

Wei Liao.

[Naturalness and the neutrino matrix](#)

J. Sayre, S. Wiesenfeldt.

[Ultrahigh energy neutrino scattering](#)

Edmond L. Berger, Martin M. Block, Douglas W. McKay, Chung-I Tan.

[Four-zero neutrino Yukawa textures in the minimal seesaw framework](#)

Gustavo C. Branco, David Emmanuel-Costa, M. N. Rebelo, Probir Roy.

[Quantum-gravity decoherence effects in neutrino oscillations: Expected constraints from CNGS and J-PARC](#)

Nick E. Mavromatos, Anselmo Meregaglia, André Rubbia, Alexander S. Sakharov, Sarben Sarkar.

[Leptoquarks: Neutrino masses and related accelerator signals](#)

D. Aristizabal Sierra, M. Hirsch, S. G. Kovalenko.

[Massive neutrino in noncommutative space-time](#)

M. M. Ettefaghi, M. Haghghat.

[Neutrino masses and lepton flavor violation in the 3-3-1 model with right-handed neutrinos](#)

P. V. Dong, H. N. Long.

[Neutrino mass, dark energy, and the linear growth factor](#)

Angeliki Kiakotou, Øystein Elgarøy, Ofer Lahav.

[High-energy neutrinos from reverse shocks in choked and successful relativistic jets](#)

Shunsaku Horiuchi, Shin'ichiro Ando.



[Constraining neutrino masses with the integrated-Sachs-Wolfe-galaxy correlation function](#)

Julien Lesgourgues, Wessel Valkenburg, Enrique Gaztañaga.

[Mu-tau neutrino refraction and collective three-flavor transformations in supernovae](#)

Andreu Esteban-Pretel, Sergio Pastor, Ricard Tomàs, Georg G. Raffelt, Günter Sigl.

[Publisher's Note: Neutrino flux from cosmic ray accelerators in the Cygnus spiral arm of the Galaxy \[Phys. Rev. D 76, 067301 \(2007\)\]](#)

Luis Anchordoqui, Francis Halzen, Teresa Montaruli, Aongus Ó Murchadha.
arXiv

[An upper limit on the electron-neutrino flux from the HiRes detector](#)

R. U. Abbasi, T. Abu-Zayyad, M. Allen, J. F. Amann, G. Archbold, *et al.*

[Energy spectra of gamma-rays, electrons and neutrinos produced at interactions of relativistic protons with low energy radiation](#)

S.R. Kelner, F.A. Aharonian.

[Probing the Effective Number of Neutrino Species with Cosmic Microwave Background](#)

Kazuhide Ichikawa, Toyokazu Sekiguchi, Tomo Takahashi.

[Cosmological constraints on neutrino plus axion hot dark matter: Update after WMAP-5](#)

Steen Hannestad, Alessandro Mirizzi, Georg G. Raffelt, Yvonne Y. Y. Wong.

[KM3NeT: a large underwater neutrino telescope in the Mediterranean Sea](#)

P. A. Rapidis, KM3NeT consortium.

[Cosmological Signatures of the Interaction between Dark-Energy and Massive Neutrinos](#)

Kiyotomo Ichiki, Yong-Yeom Keum.

[Simulating nonlinear neutrino flavor evolution](#)

Huaiyu Duan, George M. Fuller, J. Carlson.

[The Directional Dependence of Apertures, Limits and Sensitivity of the Lunar Cherenkov Technique to a UHE Neutrino Flux](#)

C. W. James, R. J. Protheroe.

[Prospects for cosmic neutrino detection in tritium experiments in the case of hierarchical neutrino masses](#)

Mattias Blennow.

[Ultra-Low-Energy Germanium Detector for Neutrino-Nucleus Coherent Scattering and Dark Matter Searches](#)

Henry T. Wong.

[Terascale Physics Opportunities at a High Statistics, High Energy Neutrino Scattering Experiment: NuSONG](#)

T. Adams, P. Batra, L. Bugel, L. Camilleri, J.M. Conrad, A. de Gouvea, *et al.*

[On Probing \$\theta_{23}\$ in Neutrino Telescopes](#)

Sandhya Choubey, Viviana Niro, Werner Rodejohann.

[Coherence and oscillations of cosmic neutrinos](#)

Yasaman Farzan, Alexei Yu Smirnov.

[Time-Energy Uncertainty Relations for Neutrino Oscillation and Mössbauer Neutrino Experiment](#)

S. M. Bilenky, F. von Feilitzsch, W. Potzel.

[Constraints from Solar and Reactor Neutrinos on Unparticle Long-Range Forces](#)

M.C. Gonzalez-Garcia, P.C. Holanda, R. Zukanovich Funchal.

[On application of the time-energy uncertainty relation to Mossbauer neutrino experiments](#)

Evgeny Kh. Akhmedov, Joachim Kopp, Manfred Lindner.

[Neutrino Flavor Goniometry by High Energy Astrophysical Beams](#)

Sandip Pakvasa.

[Can OPERA help in constraining neutrino non-standard interactions?](#)

Andreu Esteban-Pretel, Patrick Huber, Jose W. F. Valle.

[Describing neutrino oscillations in matter with Magnus expansion](#)

A. N. Ioannisian, A. Yu. Smirnov.

[Testing neutrino oscillations plus decay with neutrino telescopes](#)

Michele Maltoni, Walter Winter.

[Neutrino Signals from Solar Neutralino Annihilations in Anomaly Mediated Supersymmetry Breaking Model](#)

Jia Liu, Peng-fei Yin, Shou-hua Zhu.

[Neutrino Masses from Cosmological Probes in Interacting Neutrino Dark-Energy Models](#)

Kiyotomo Ichiki, Yong-Yeom Keum.

[Neutrino Mass Bounds from Neutrinoless Double Beta Decays and Large Scale Structures](#)

Yong-Yeon Keum, Kiyotomo Ichiki, Taka Kajino.

[Signatures for right-handed neutrinos at the Large Hadron Collider](#)

Katri Huitu, Shaaban Khalil, Hiroshi Okada, Santosh Kumar Rai.

[Neutrino mass hierarchy extraction using atmospheric neutrinos in ice](#)

Olga Mena, Irina Mocioiu, Soebur Razzaque.

[Empirical Neutrino Mass Matrix Related to Up-Quark Masses](#)

Yoshio Koide.

[Testing a Neutrino Mass Generation Mechanism at the LHC](#)

Pavel Fileviez Perez, Tao Han, Gui-Yu Huang, Tong Li, Kai Wang.

[Direct Detection of Kaluza-Klein Particles in Neutrino Telescopes](#)

Ivone F. M. Albuquerque, Gustavo Burdman, Christopher A. Krenke, Baran Nosratpour.

[Eikonal contributions to ultra high energy neutrino-nucleon cross sections in low scale gravity models](#)

E. M. Sessolo, D. W. McKay.

[Cosmology and Neutrino Properties](#)

A.D. Dolgov.

[Differentiating Neutrino Models on the Basis of \$\theta_{13}\$ and Lepton Flavor Violation](#)

Carl H. Albright.

[LHC signals for neutrino mass model in bilinear R-parity violating mAMSB](#)

F. de Campos, M.A. Diaz, O.J.P. Eboli, M.B. Magro, W. Porod, S. Skadhauge.

[Neutrinos, Axions and Conformal Symmetry](#)

Krzysztof A. Meissner, Hermann Nicolai.

[D-Instanton Generated Dirac Neutrino Masses](#)

Mirjam Cvetič, Paul Langacker.

[High sensitivity measurement of \$^{224}\text{Ra}\$ and \$^{226}\text{Ra}\$ in water with an improved hydrous titanium oxide technique at the Sudbury Neutrino Observatory](#)

B. Aharmim, B.T. Cleveland, X. Dai, G. Doucas, J. Farine, H. Fergani, R. Ford, R.L. Hahn, E.D. Hallman, N.A. Jelley, R. Lange, S. Majerus, C. Mifflin, A.J. Noble, H.M. O'Keeffe, R. Rodriguez-Jimenez, D. Sinclair, M. Yeh.

[Neutrinoless beta-beta matrix element of \$^{76}\text{Ge}\$ from spectroscopic data](#)

J. Suhonen, O. Civitarese.

[Neutrino-Pulsating Vacuum and Neutrino Mass Difference](#)

H. Kleinert, P. Kienle.

[Performances and stability of a 2.4 ton Gd organic liquid scintillator target for antineutrino detection](#)

I.R.Barabanov, L.B.Bezrukov, C.Cattadori, N.A.Danilov, A.Di Vacri, Yu.S.Krilov, L.Ioannucci, E.A.Yanovich, M.Aglietta, A.Bonardi, G.Bruno, W.Fulgione, E.Kemp, A.S.Malguin, A. Porta, M.Selvi, LVD Collaboration.

[Are Neutrinos Majorana Particles?](#)

G. Rajasekaran.

GRAVITATIONAL WAVES

ApP

[Higher-order gravity and the cosmological background of gravitational waves](#)

Salvatore Capozziello, Mariafelicia De Laurentis and Mauro Francaviglia

JCAP

[Gravitational wave sirens as a triple probe of dark energy](#)

Eric V Linder

PRD

[Design of wideband acoustic detectors of gravitational waves equipped with displacement concentrators](#)

Paola Leaci, Andrea Vinante, Michele Bonaldi, Paolo Falferi, Antonio Pontin, Giovanni A. Prodi, Jean Pierre Zendri.

[Search for gravitational waves from binary inspirals in S3 and S4 LIGO data](#)

B. Abbott, *et al.*.

[Search for gravitational waves associated with 39 gamma-raybursts using data from the second, third, and fourth LIGO runs](#)

B. Abbott, *et al.*.

[Best network chirplet chain: Near-optimal coherent detection of unmodeled gravitational wave chirps with a network of detectors](#)

Archana Pai, Éric Chassande-Mottin, Olivier Rabaste.

[Probing the early universe with inflationary gravitational waves](#)

Latham A. Boyle, Paul J. Steinhardt.



[Parametric resonance and cosmological gravitational waves](#)

Paulo M. Sá, Alfredo B. Henriques.

[Generalization of Ryan's theorem: Probing tidal coupling with gravitational waves from nearly circular, nearly equatorial, extreme-mass-ratio inspirals](#)

Chao Li, Geoffrey Lovelace.

[Tail effects in the third post-Newtonian gravitational wave energy flux of compact binaries in quasi-elliptical orbits](#)

K. G. Arun, Luc Blanchet, Bala R. Iyer, Moh'd S. S. Qusailah.

[Publisher's Note: All-sky search for periodic gravitational waves in LIGO S4 data \[Phys. Rev. D 77, 022001 \(2008\)\]](#)

B. Abbott, *et al.*.

[Publisher's Note: Upper limit map of a background of gravitational waves \[Phys. Rev. D 76, 082003 \(2007\)\]](#)

B. Abbott, *et al.*.

[Publisher's Note: Upper limits on gravitational wave emission from 78 radio pulsars \[Phys. Rev. D 76, 042001 \(2007\)\]](#)

B. Abbott, *et al.*.

arXiv

[Brightening of an Accretion Disk Due to Viscous Dissipation of Gravitational Waves During the Coalescence of Supermassive Black Holes](#)

Bence Kocsis, Abraham Loeb.

[Cosmic Shear from Scalar-Induced Gravitational Waves](#)

Devdeep Sarkar, Paolo Serra, Asantha Cooray, Kiyotomo Ichiki, Daniel Baumann.

[Detecting gravitational wave emission from the known accreting neutron stars](#)

Anna Watts, Badri Krishnan, Lars Bildsten, Bernard Schutz.

[On the independent points in the sky for the search of periodic gravitational wave](#)

S.K. Sahay.

[Modifications by QCD transition and \$e^+e^-\$ annihilation on analytic spectrum of relic gravitational waves in accelerating universe](#)

Shuang Wang, Yang Zhang, Tian-Yang Xia, Hai-Xing Miao.

[Gravitons scattering from classical matter](#)



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – March 2008

E. Guadagnini.

[Gravitational waves from pulsations of neutron stars described by realistic Equations of State](#)

Sebastiano Bernuzzi, Alessandro Nagar.

[Search for a stochastic background of 100-MHz gravitational waves with laser interferometers](#)

Tomotada Akutsu, Seiji Kawamura, Atsushi Nishizawa, Koji Arai, Kazuhiro Yamamoto, Daisuke Tatsumi, Shigeo Nagano, Erina Nishida, Takeshi Chiba, Ryuichi Takahashi, Naoshi Sugiyama, Mitsuhiro Fukushima, Toshitaka Yamazaki, Masa-Katsu Fujimoto.

GENERAL

ApP

[The expectation–maximization algorithm applied to the search of point sources of astroparticles](#)

Juan Antonio Aguilar and Juan José Hernández-Rey

JCAP

[Using big bang nucleosynthesis in cosmological parameter extraction from the cosmic microwave background: a forecast for PLANCK](#)

Jan Hamann, Julien Lesgourgues and Gianpiero Mangano

[Sensitivity and insensitivity of galaxy cluster surveys to new physics](#)

Joshua Erlich, Brian Glover and Neal Weiner

NIMA

[Branching transport model of NaI\(Tl\) alkali-halide scintillator](#)

B.S. Alexandrov, K.D. Ianakiev and P.B. Littlewood

[Performance of a phoswich detector composed of an inner NaI\(Tl\) crystal and surrounding NE102A plastic scintillator for neutron spectrometry](#)

T. Watanabe, H. Arakawa, T. Kajimoto, Y. Iwamoto, D. Satoh, S. Kunieda, S. Noda, N. Shigyo, K. Ishibashi, T. Nakamura and R.C. Haight

[RICAP'07: Proceedings of the First Roma International Conference on Astroparticle](#)

Physics Roma, Italy, June 20–22, 2007

arXiv

[The SuperNova Early Warning System](#)

K. Scholberg.

[Properties of the ultraviolet flux of type Ia supernovae: an analysis with synthetic spectra of SN 2001ep and SN 2001eh](#)

D. N. Sauer, P. A. Mazzali, S. Blondin, A. V. Filippenko, S. Benetti, M. Stehle, P. Challis, R. P. Kirshner, W. Li.

[The Extended HST Supernova Survey: The Rate of SNe Ia at \$z > 1.4\$ Remains Low](#)

Tomas Dahlen, Louis-Gregory Strolger, Adam G. Riess.

[Luminosity Indicators in the UV Spectra of Type Ia Supernovae](#)

Ryan J. Foley, Alexei V. Filippenko, Saurabh W. Jha.

[Abundance stratification in Type Ia Supernovae - II: The rapidly declining, spectroscopically normal SN 2004eo](#)

P. A. Mazzali, D. N. Sauer, A. Pastorello, S. Benetti, W. Hillebrandt.

[The Youngest Galactic Supernova Remnant: G1.9+0.3](#)

S.P. Reynolds, K.J. Borkowski, D.A. Green, U. Hwang, I. Harnett, R. Petre.

[Optical Spectroscopy of Type Ia Supernovae](#)

T. Matheson, R. P. Kirshner, P. Challis, S. Jha, P. M. Garnavich, P. Berlind, M. L. Calkins, S. Blondin, Z. Balog, A. E. Bragg, N. Caldwell, K. Dendy Concannon, E. E. Falco, G. J. M. Graves, J. P. Huchra, J. Kuraszewicz, J. A. Mader, A. Mahdavi, M. Phelps, K. Rines, I. Song, B. J. Wilkes.

[Dust content of core-collapse supernova hosts](#)

A.-L. Melchior, F. Combes.

[Companion Stars of Type Ia Supernovae](#)

Zhanwen Han.

[Supernova Shock Breakout from a Red Supergiant](#)

Kevin Schawinski, Stephen Justham, Christian Wolf, *et al.*

[Supernova progenitors and iron density evolution from SN rate evolution measurements](#)

Guillaume Blanc, Laura Greggio.

[Galactic Outflows and the pollution of the Galactic Environment by Supernovae](#)

E.M. de Gouveia Dal Pino, C. Melioli, A. D Ercole, F. Brighenti, A. Raga.

[SN 2005kd: another very luminous, slowly declining type II_n supernova](#)

D. Yu. Tsvetkov.



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – March 2008

[From nuclear multifragmentation reactions to supernova explosions](#)

Igor N. Mishustin.

[Scintillation yield of liquid xenon at room temperature](#)

K. Ueshima, K. Abe, T. Iida, M. Ikeda, K. Kobayashi, Y. Koshio, *et al.*