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[First operation of bulk micromegas in low pressure negative ion drift gas mixtures for dark matter searches](#)

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[Anisotropy of dark matter annihilation with respect to the Galactic plane](#)

V S Berezinsky, V I Dokuchaev and Yu N Eroshenko

[Quark mass uncertainties revive Kim–Shifman–Vainshtein–Zakharov axion dark matter](#)

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[Dark energy from vacuum entanglement](#)

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[Ultraviolet stable, Lorentz-violating dark energy with transient phantom era](#)

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[Mixed bino–wino–higgsino dark matter in gauge messenger models](#)

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[Cosmological constraints on neutrino plus axion hot dark matter](#)

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[Direct evidence of acceleration from a distance modulus–redshift graph](#)

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[Route to Lambda in conformally coupled phantom cosmology](#)

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[The mass and the coupling of the dark particle](#)

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[The galactic 511 keV line from electroweak scale WIMPs](#)

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[Energy conditions and current acceleration of the universe](#)

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[Relativistic modified Newtonian dynamics from string theory?](#)

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[Measurement of the response of heat-and-ionization germanium detectors to nuclear recoils](#)

A. Benoit, L. Bergé, J. Blümer, A. Broniatowski, B. Censier, A. Chantelauze, M. Chapellier, G. Chardin, S. Collin, X. Defay, *et al.*



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[Interacting dark energy and dark matter: Observational constraints from cosmological parameters](#)

Bin Wang, Jiadong Zang, Chi-Yong Lin, Elcio Abdalla and S. Micheletti

[The neutralino sector in the U\(1\)-extended supersymmetric Standard Model](#)

S.Y. Choi, H.E. Haber, J. Kalinowski and P.M. Zerwas

PRL

[Seesaw Mechanism for Scalar Fields as Possible Basis for Dark Energy](#)

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[Why There is Something Rather than Nothing: Cosmological Constant from Summing over Everything in Lorentzian Quantum Gravity](#)

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[Limits on Interactions between Weakly Interacting Massive Particles and Nucleons Obtained with CsI\(Tl\) Crystal Detectors](#)

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[Direct detection of neutralino dark matter in nonstandard cosmologies](#)

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[Signatures of axionlike particles in the spectra of TeV gamma-ray sources](#)

Alessandro Mirizzi, Georg G. Raffelt, and Pasquale D. Serpico

[Cosmology with moving dark energy and the CMB quadrupole](#)

José Beltrán Jiménez and Antonio L. Maroto

[Constraints on holographic dark energy from the latest supernovae, galaxy clustering, and cosmic microwave background anisotropy observations](#)

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[Optimizing future imaging survey of galaxies to confront dark energy and modified gravity models](#)

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[Probing the coupling between dark components of the universe](#)

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[Matter density perturbations and effective gravitational constant in modified gravity models of dark energy](#)

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[Self-interacting dark matter in the solar system](#)

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[Fate of the universe: Dark energy dilution?](#)

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[When did cosmic acceleration start?](#)

Alessandro Melchiorri, Luca Pagano, and Stefania Pandolfi

[Revival of the thermal sneutrino dark matter](#)

Hye-Sung Lee, Konstantin T. Matchev, and Salah Nasri

[Can we ever distinguish between quintessence and a cosmological constant?](#)

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[Quantum stability of a \$w < -1\$ phase of cosmic acceleration](#)

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[Can strong gravitational lensing constrain dark energy?](#)

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[Mass limits on neutralino dark matter](#)

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[Thin disk in higher dimensional space-time and dark matter interpretation](#)

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[Probing the nature of dark matter with cosmic x rays: Constraints from “dark blobs” and grating spectra of galaxy clusters](#)

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[Viable Palatini- \$f\(R\)\$ cosmologies with generalized dark matter](#)

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[Relic abundance of dark matter in universal extra dimension models with right-handed neutrinos](#)

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[Galaxy clustering constraints on deviations from Newtonian gravity at cosmological scales. II. Perturbative and numerical analyses of power spectrum and bispectrum](#)

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[Cosmology of modified Gauss-Bonnet gravity](#)

Baojiu Li, John D. Barrow, and David F. Mota

[Predictive model for dark matter, dark energy, neutrino masses, and leptogenesis at the TeV scale](#)

Narendra Sahu and Utpal Sarkar

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[Neutrino Constraints on the Dark Matter Total Annihilation Cross Section](#)

Hasan Yuksel, Shunsaku Horiuchi, John F. Beacom, Shin'ichiro Ando.

[Constraints on oscillating dark energy models](#)

Aleksandra Kurek, Orest Hrycyna, Marek Szydlowski.

[Dark Matter](#)

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[Theoretical Interpretation of Experimental Data from Direct Dark Matter Detection](#)

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[On prospects for dark matter indirect detection in the Constrained MSSM](#)

Leszek Roszkowski, Roberto Ruiz de Austri, Joe Silk, Roberto Trotta.

[Dark Matter from a gas of wormholes](#)

A.A. Kirillov, E.P. Savelova.

[A model of accelerating dark energy in decelerating gravity](#)



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[Dark matter in low mass surface density galaxies](#)

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[Sterile neutrinos as subdominant warm dark matter](#)

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[The Masses and Shapes of Dark Matter Halos from Galaxy-Galaxy Lensing in the CFHTLS](#)

Laura C. Parker, Henk Hoekstra, Michael J. Hudson, Ludovic Van Waerbeke, Yannick Mellier.

[Can Strong Gravitational Lensing Constrain Dark Energy?](#)

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[Age Problem in the Holographic Dark Energy Model](#)

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[Environmental Effects of Dark Matter Haloes: The Clustering-Substructure relation of Group-size Haloes](#)

N. Espino-Briones, M. Plionis, C. Ragono-Figueroa.

[Structure formation in the presence of dark energy perturbations](#)

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

[Structure and evolution of Zel'dovich pancakes as probes of dark energy models](#)

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[Could a Gamma Line Betray the Mass of Light Dark Matter?](#)

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[Decaying Dark Energy in Higher-Dimensional Gravity](#)

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T. Boeckel, J. Schaffner-Bielich.

[Dark matter annihilation near a black hole: plateau vs. weak cusp](#)

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[Testing cold dark matter with the low mass Tully-Fisher relation](#)



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[Higher signal harmonics, LISA's angular resolution and dark energy](#)

K. G. Arun, Bala R. Iyer, B.S. Sathyaprakash, Siddhartha Sinha, Chris Van Den Broeck.

[Cosmological WIMPs, Higgs Dark Matter and GLAST](#)

A. Sellerholm, J. Conrad, L. Bergstrom, J. Edsjo.

[ISW effect in Unified Dark Matter Scalar Field Cosmologies: an analytical approach](#)

Daniele Bertacca, Nicola Bartolo.

[Visible and dark matter in M 31 - II. A dynamical model and dark matter density distribution](#)

Elmo Tempel, Antti Tamm, Peeter Tenjes.

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[Apoastron Shift Constraints on Dark Matter Distribution at the Galactic Center](#)

A.F. Zakharov, A.A. Nucita, F. De Paolis, G. Ingrosso.

[De Sitter cosmology from Gauss-Bonnet dark energy with quantum effects](#)

Emilio Elizalde, John Quiroga Hurtado, Hector Ivan Arcos.

[Matter in the Bulk and its Consequences on the Brane: A Possible Source of Dark Energy](#)

Subenoy Chakraborty, Asit Banerjee, Tanwi Bandyopadhyay.

[Self-similar cosmological solutions with dark energy I: formulation and asymptotic analysis](#)

Tomohiro Harada, Hideki Maeda, B.J. Carr.

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Hideki Maeda, Tomohiro Harada, B.J. Carr.

[Possible Measurable Effects of Dark Energy in Rotating Superconductors](#)

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[Constraining interacting dark energy models with flux destabilization](#)

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[Renormalization group running cosmologies - from a scale setting to holographic dark energy](#)

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S. Burgos, J. Forbes, C. Ghag, M. Gold, V.A. Kudryavtsev, T.B. Lawson, D. Loomba, P. Majewski, D. Muna, A. StJ. Murphy, G.G. Nicklin, S.M. Paling, A. Petkov, S.J.S. Plank, M. Robinson, N. Sanghi, N.J.T. Smith, D.P. Snowden-Ifft, N.J.C. Spooner, T.J. Sumner, J. Turk, E. Tziaferi.

[Neutrino flavor ratios as diagnostic of solar WIMP annihilation](#)

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O. Bertolami, R. Rosenfeld.

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A. Rubbia, A.S. Sakharov.

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M. Kachelriess, P.D. Serpico.

[The Axion from Five-Dimensional Supergravity](#)

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[Implications of Compressed Supersymmetry for Collider and Dark Matter Searches](#)

Howard Baer, Andrew Box, Eun-Kyung Park, Xerxes Tata.



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[Dark Matter in the Constrained NMSSM](#)

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[Electroweak Symmetry Breaking induced by Dark Matter](#)

Thomas Hambye,Michel H.G. Tytgat.

[Dark Matter and Particle Physics](#)

Michael E. Peskin.

[SUSY Search in Future Collider and Dark Matter Experiments](#)

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[Composite Messenger Baryon as a Cold Dark Matter](#)

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[Shadow vacuum alignment and dark energy](#)

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[The top squark-mediated annihilation scenario and direct detection of dark matter in compressed supersymmetry](#)

Stephen P. Martin.

[Supersymmetric Unparticle Effects on Higgs Boson Mass and Dark Matter](#)

N.G. Deshpande,Xiao-Gang He,Jing Jiang.

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Shaoyu Yin,Bin Wang,Elcio Abdalla,Chi-Yong Lin.

[Solar System Constraints on Gauss-Bonnet Dark Energy](#)

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[Dark Energy and Stabilization of Extra Dimensions](#)

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[A Dark Energy Model Characterized by the Age of the Universe](#)

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[Constraints on Dissipative Non-Equilibrium Dark Energy Models from Recent Supernova Data](#)

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[The Baryonic and Dark Matter Properties of High Redshift Gravitationally Lensed Disk Galaxies](#)

P. Salucci, A. M. Swinbank, A. Lapi, I. Yegorova, R. G. Bower, Ian Smail, G. P. Smith.

[Red Halos of Galaxies - Reservoirs of Baryonic Dark Matter?](#)

E. Zackrisson, N. Bergvall, C. Flynn, G. Ostlin, G. Micheva, B. Caldwell.

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[Constraining Dark Energy Anisotropic Stress](#)

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[Generating Dark Matter Halo Merger Trees](#)

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[Observed Properties of Dark Matter on Small Spatial Scales](#)

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[Dark energy and cosmic curvature: Monte-Carlo Markov Chain approach](#)

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[Limits on spin-dependent WIMP-nucleon cross-sections from the first ZEPLIN-II data](#)

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[Cold Dark Matter Substructure and Galactic Disks I: Morphological Signatures of Hierarchical Satellite Accretion](#)

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[Constraints on non-thermal Dark Matter from Planck lensing extraction](#)

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[Mapping the distribution of luminous and dark matter in strong lensing galaxies](#)

I. Ferreras, P. Saha, L. L. R. Williams, S. Burles.

[Constraining Dark Energy From Splitting Angle Statistic of Strong Gravitational Lenses](#)

Qing-Jun Zhang, Ling-Mei Cheng, Yue-Liang Wu.

[Direction-sensitive dark matter search results in a surface laboratory](#)

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[Using Local Volume data to constrain Dark Matter dynamics](#)

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[How light can the lightest neutralino be?](#)

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[Constraints on Neutralino masses and mixings from Cosmology and Collider Physics](#)

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[Investigating the Relationship Between the Hot Gas and the Dark Matter Components of Galaxy Clusters](#)

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[Dark Energy or Apparent Acceleration Due to a Relativistic Cosmological Model More Complex than FLRW?](#)

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[Two Component Model of Dark Energy](#)

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[Detecting dark energy with wavelets on the sphere](#)

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[A new test of the light dark matter hypothesis](#)

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[Z₃ Dark Matter and Two-Loop Neutrino Mass](#)

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[Singlet fermion dark matter and electroweak baryogenesis with radiative neutrino mass](#)

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[Pseudo-Dirac Bino Dark Matter](#)

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[Unifying inflation and dark matter with neutrino masses](#)

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[Mixed Higgsino Dark Matter from a Large SU\(2\) Gaugino Mass](#)

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[Inductive acceleration of UHECRs in sheared relativistic jets](#)

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[Search for point-like sources of cosmic rays with energies above \$10^{18.5}\$ eV in the HiRes-I monocular data set](#)

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[Extensive air showers and the physics of high energy interactions](#)

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[Detector time offset and off-line calibration in EAS experiments](#)

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[COSMIC RAYS FROM THE KNEE TO THE SECOND KNEE: \$10^{14}\$ TO \$10^{18}\$ eV](#)

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[Signals of very high energy neutralinos in future cosmic ray detectors](#)

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[Cosmic ray test results on resistive plate chamber for the BESIII experiments](#)

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Shaohui An, D. Hatzifotiadou, Jinsook Kim, M.C.S. Williams, A. Zichichi and R. Zuyeuski

[The accuracy of signal measurement with the water Cherenkov detectors of the Pierre Auger Observatory](#)

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[Air-shower simulations with and without thinning: Artificial fluctuations and their suppression](#)

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[QCD and spin effects in black hole air showers](#)

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[Cosmic-Ray Heating of Molecular Gas in the Nuclear Disk: Low Star Formation Efficiency](#)

F. Yusef-Zadeh, M. Wardle, S. Roy.

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[Simulating cosmic rays in clusters of galaxies - III. Non-thermal scaling relations and comparison to observations](#)

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[Cosmic Ray production of Beryllium and Boron at high redshift](#)

Emmanuel Rollinde, David Maurin, Elisabeth Vangioni, Keith A. Olive, Susumu Inoue.

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T. Yamamoto, Pierre Auger Collaboration.

[Extended Air Shower Simulations Based on EPOS](#)

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Gregory R. Snow, Pierre Auger Collaboration.

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[A cosmic ray current driven instability in partially ionised media](#)

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

[Origin and propagation of cosmic rays \(some highlights\)](#)

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