

## DARK MATTER AND DARK ENERGY

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“On the direct search for spin-dependent WIMP interactions”

[Physical Review D 75 043512](#)

“Direct dark matter event rates with a velocity distribution in the Eddington approach”

[Physical Review D 75 043503](#)

“Light bending as a probe of the nature of dark energy

[Physical Review D 75 043003](#)

“The passage of ultra-relativistic neutralinos through matter”

[Astroparticle physics 27 pages 30-45](#)

“The ZEPLIN-III dark matter detector: Instrument design, manufacture and commissioning”

[Astroparticle physics 27 pages 46-60](#)

“Reconciling the CAST and PVLAS Results”

[Physical Review Letters 98 050402](#)

“Recoil Detection of the Lightest Neutralino in MSSM Singlet Extensions”

[hep-ph/0702036](#)

“Dark Matter Candidates: What Cold, ...and What’s Not”

[hep-ph/0702051](#)

“The ArDM project: a liquid Argon TPC for Dark Matter Detection”

[hep-ph/0702080](#)

“Density of dark matter in Solar system and perihelion precession of planets”

[astro-ph/0702260](#)

“Indirect search for Dark Matter with H.E.S.S.”

[astro-ph/0702373](#)

“Probing Dark Matter Substructure with Pulsar Timing”

[astro-ph/0702546](#)

“Direct probes of Dark Matter in the cluster 1ES0657-556 through microwave observations”

[astro-ph/0702568](#)

“DARK MATTER BURNERS”

[astro-ph/0702654](#)

- “Universe's Skeleton Sketched” [astro-ph/0702010](http://astro-ph/0702010)
- “The Nature of Dark Matter” [astro-ph/0702164](http://astro-ph/0702164)
- “Dark Matter and Sterile Neutrinos” [astro-ph/0702173](http://astro-ph/0702173)
- “It's Never Too Late For Matter” [astro-ph/0702207](http://astro-ph/0702207)
- “Angular Signatures of Dark Matter in the Diffuse Gamma Ray Spectrum” [astro-ph/0702328](http://astro-ph/0702328)
- “Exciting Dark Matter and the INTEGRAL/SPI 511 keV signal” [astro-ph/0702587](http://astro-ph/0702587)
- “An improved limit on the axion-photon coupling from the CAST experiment” [hep-ex/0702006](http://hep-ex/0702006)
- “Testing PVLAS axions with resonant photon splitting” [hep-ph/0702197](http://hep-ph/0702197)
- “The X-ray Telescope of CAST” [physics/0702188](http://physics/0702188)
- “The Bullet Cluster 1E0657-558 evidence shows Modified Gravity in the absence of Dark Matter” [astro-ph/0702146](http://astro-ph/0702146)
- “Escaping from MOND” [astro-ph/0702275](http://astro-ph/0702275)
- “MISSING PAGES IN OUR PHOTO ALBUM OF THE INFANT UNIVERSE” [astro-ph/0702298](http://astro-ph/0702298)
- “A Common Explosion Mechanism for Type Ia Supernovae” [astro-ph/0702351](http://astro-ph/0702351)

## COSMIC RAYS

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- “On the transition from galactic to extragalactic cosmic-rays: Spectral and composition features from two opposite scenarios”  
[Astroparticle physics 27 pages 61-75](#)
- “A dip in the UHECR spectrum and the transition from galactic to extragalactic cosmic rays”  
[Astroparticle physics 27 pages 76-91](#)
- “First ground-based measurement of atmospheric Cherenkov light from cosmic rays”  
[Physical Review D 75 042004](#)
- “Extending the GZK limit without breaking Lorentz Invariance”  
[hep-th/0702208](#)
- “PEBS – Positron Electron Ballon Spectrometer”  
[astro-ph/0702567](#)
- “The Cosmic Ray Distribution in Sagittarius B”  
[astro-ph/0702045](#)
- “Properties of the Radio-Emitting Gas Around SgrA”  
[astro-ph/0702043](#)
- “Diffusion of Cosmic Rays in the Expanding Universe. II. Energy Spectra of Ultra-High Energy Cosmic Rays”  
[astro-ph/0702102](#)
- “Effects of the Energy Error Distribution of Fluorescence Telescopes on the UHECR energy spectrum”  
[astro-ph/0702123](#)
- “Comment on the "Second dip as a signature of ultrahigh energy proton interactions with cosmic microwave background radiation””  
[astro-ph/0702153](#)
- “Origin and physics of the highest energy cosmic rays: What can we learn from Radio Astronomy?”  
[astro-ph/0702161](#)
- “Antimatter in the Milky Way”  
[astro-ph/0702350](#)

“Cosmic-ray composition and its relation to shock acceleration by supernova remnants”

[astro-ph/0702370](https://arxiv.org/abs/astro-ph/0702370)

“GZK Photons in the Minimal Ultra High Energy Cosmic Rays Model”

[astro-ph/0702464](https://arxiv.org/abs/astro-ph/0702464)

“On the status of the dip in UHECR spectrum”

[astro-ph/0702488](https://arxiv.org/abs/astro-ph/0702488)

“El Roque de Los Muchachos Site Characteristics. II. Analysis of Wind, Relative Humidity and Air Pressure”

[astro-ph/0702570](https://arxiv.org/abs/astro-ph/0702570)

## **X and GAMMA RAYS**

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“Detection and measurement of gamma rays with the AMS-02 detector”

[astro-ph/0702306](https://arxiv.org/abs/astro-ph/0702306)

“The Anti-Coincidence Detector for the GLAST Large Area Telescope”

[astro-ph/0702581](https://arxiv.org/abs/astro-ph/0702581)

“Very high energy gamma-ray observations during moonlight and twilight with the MAGIC telescope”

[arXiv:astro-ph/0702475](https://arxiv.org/abs/astro-ph/0702475)

“Constraints on the steady and pulsed VHE gamma-ray emission from observation of PSR B1951+32 / CTB 80 with the MAGIC Telescope”

[astro-ph/0702077](https://arxiv.org/abs/astro-ph/0702077)

“Modeling Pulsar Wind Nebulae”

[astro-ph/0702084](https://arxiv.org/abs/astro-ph/0702084)

“The nature of the outflow in gamma-ray bursts”

[astro-ph/0702319](https://arxiv.org/abs/astro-ph/0702319)

“Search for Pulsed VHE Gamma-Ray Emission from Young Pulsars with H.E.S.S.”

[astro-ph/0702336](https://arxiv.org/abs/astro-ph/0702336)

“High-Energy Gamma-Rays from GRB X-ray Flares”

[astro-ph/0702617](https://arxiv.org/abs/astro-ph/0702617)

“The sky distribution of 511 keV positron annihilation line emission as measured with INTEGRAL/SPI”

[astro-ph/0702621](https://arxiv.org/abs/astro-ph/0702621)

“Search for ultra-high energy photons using air showers”

[astro-ph/0702632](#)

“Particle Acceleration in Supernova Remnants and the Production of Thermal and Nonthermal Radiation”

[astro-ph/0702674](#)

### **COSMIC NEUTRINOS AND NEUTRINO PROPERTIES**

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“Probing the Earth’s interior with a large-volume liquid scintillator detector”

[Astroparticle physics 27, pages 21-29](#)

“Nova plus T2K: The race for the neutrino mass hierarchy”

[Physical Review D 75 033002](#)

“Study of cosmic ray interaction model based on atmospheric muons for the neutrino flux calculation”

[Physical Review D 75 043005](#)

“Calculation of atmospheric neutrino flux using the interaction model calibrated with atmospheric muon data”

[Physical Review D 75 043006](#)

“Mass and Double-Beta-Decay Q Value of  $^{136}\text{Xe}$ ”

[Physical Review Letters 98 053003](#)

“Light tracking for glaciers and oceans -- Scattering and absorption in heterogeneous media with Photonics”

[astro-ph/0702108](#)

“Search for neutrino-induced cascades from gamma-ray bursts with AMANDA”

[astro-ph/0702265](#)

“Determining neutrino properties using future galaxy redshift surveys”

[astro-ph/0702314](#)

“Neutrino Spectrum from SN 1987A and from Cosmic Supernovae”

[astro-ph/0702613](#)

“Ultrahigh energy neutrinos in the Mediterranean: detecting  $\nu_\tau$  and  $\nu_\mu$  with a  $\text{km}^3$  telescope”

[JCAP02\(2007\) 007. ArXiv ePrint: astro-ph/0609241](#)

“On the observability of high-energy neutrinos from gamma ray bursts”

[astro-ph/0702029](#)

“Limit on UHE Neutrino Flux from the Parkes Lunar Radio Cherenkov Experiment”

[astro-ph/0702619](https://arxiv.org/abs/astro-ph/0702619)

“Galactic Sources of High Energy Neutrinos”

[astro-ph/0702680](https://arxiv.org/abs/astro-ph/0702680)

### **GRAVITATIONAL WAVES**

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“Primordial non-gaussianity and gravitational waves: Observational tests of brane inflation in string theory”

[Physical Review D 75 043505](https://arxiv.org/abs/hep-th/0612354)

“Gravitational waves from relativistic neutron star mergers with nonzero-temperature equations of state”

[astro-ph/0702228](https://arxiv.org/abs/astro-ph/0702228)

“Generic Gravitational Wave Signals from the Collapse of Rotating Stellar Cores”

[astro-ph/0702305](https://arxiv.org/abs/astro-ph/0702305)

“Stochastic Gravitational Wave Background from Light Cosmic Strings”

[astro-ph/0702335](https://arxiv.org/abs/astro-ph/0702335)

“Application of the Probability Event Horizon filter to constrain the local rate density of binary black hole inspirals with Advanced LIGO”

[astro-ph/0702468](https://arxiv.org/abs/astro-ph/0702468)