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[Dark matter annihilation and its effect on CMB and hydrogen 21 cm observations](#)

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PRL

[First Cosmological Constraints on Dark Energy from the Radial Baryon Acoustic Scale](#)

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MPLA

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arXiv

[Modified Gravity and the Phantom of Dark Matter](#)

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[Ultra light bosonic dark matter and CMB](#)

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[Implications of High-Resolution Simulations on Indirect Dark Matter Searches](#)

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[Early Black Hole Formation by Accretion of Gas and Dark Matter](#)

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[Spatially uniform calibration of a liquid xenon detector at low energies using \$^{83}\text{mKr}\$](#)

A. Manalaysay, T. Marrodan Undagoitia, A. Askin, L. Baudis, A. Behrens, A. Kish, O. Lebeda, D. Venos.

[A New Probe of Dark Matter and High-Energy Universe Using Microlensing](#)

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[Scintillation Pulse Shape Discrimination in a Two-Phase Xenon Time Projection Chamber](#)

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[The spherical collapse model and cluster formation beyond the \$\Lambda\$ cosmology: Indications for a clustered dark energy?](#)

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[Simulations of Quintessential Cold Dark Matter: beyond the cosmological constant](#)

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[CMB Lensing Constraints on Dark Energy and Modified Gravity Scenarios](#)

Erminia Calabrese, Asantha Cooray, Matteo Martinelli, Alessandro Melchiorri, Luca Pagano, Anze Slosar, George F. Smoot.

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Stephen L. Adler.

[Extragalactic gamma-ray background radiation from dark matter annihilation](#)

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[A New Approach to Searching for Dark Matter Signals in Fermi-LAT Gamma Rays](#)

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[Generating and Analyzing Constrained Dark Energy Equations of State and Systematics Functions](#)

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[Dark Energy](#)

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[No Evidence for Dark Energy Dynamics from a Global Analysis of Cosmological Data](#)

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[Evidence for a Triaxial Milky Way Dark Matter Halo from the Sagittarius Stellar Tidal Stream](#)

David R. Law, Steven R. Majewski, Kathryn V. Johnston.

[Size Evolution of Early-Type Galaxies and Massive Compact Objects as the Dark Matter](#)

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[On the separation between baryonic and dark matter: evidence for phantom dark matter?](#)

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[Gamma-Rays from Ultracompact Primordial Dark Matter Minihalos](#)

Pat Scott, Sofia Sivertsson.

[Robust Constraints on Dark Matter Annihilation into Gamma Rays and Charged Particles](#)

T. D. Jacques.

[Light on Dark Matter with Weak Gravitational Lensing](#)

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[A Machian interpretation of MOND](#)

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[Cosmological consequences of a possible \$\Lambda\$ -dark matter interaction](#)

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[Agegraphic dark energy models in Brans-Dicke cosmology](#)

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[The phase-space of generalized Gauss-Bonnet dark energy](#)

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Ahmad Sheykhi.

[Quintessence interacting dark energy from induced matter theory of gravity](#)

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Ilya Gurwich, Aharon Davidson.

[Antigravitation, Dark Energy, Dark Matter - Alternative Solution](#)

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[Galactic Sun's motion in the Cold Dark Matter, MODified Newtonian Dynamics and MODified Gravity scenarios](#)

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[Feasibility, engineering aspects and physics reach of microwave cavity experiments searching for hidden photons and axions](#)

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[The GammeV suite of experimental searches for axion-like particles](#)

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[Kaluza-Klein Dark Matter And Neutrinos From Annihilation In The Sun](#)

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[SUSY dark matter and lepton flavor violation](#)

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[Epoch Dependent Dark Energy](#)

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[Dark Matter Phenomenology](#)

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[Enhanced anti-deuteron Dark Matter signal and the implications of PAMELA](#)

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[Gamma Ray Spectra from Dark Matter Annihilation and Decay](#)

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[A Brief Review on Dark Matter Annihilation Explanation for \$Se^{\pm}\$ Excesses in Cosmic Ray](#)

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[Form Factor Dark Matter](#)

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COSMIC RAYS

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G. Aielli, C. Bacci, B. Bartoli, P. Bernardini, X.J. Bi, C. Bleve, P. Branchini, A. Budano, S. Bussino, A.K. Calabrese Melcarne, P. Camarri, Z. Cao, A. Cappa, R. Cardarelli, S. Catalanotti, C. Cattaneo, P. Celio, S.Z. Chen, Y. Chen, N. Cheng, *et al.*

[Measurement of the flux of ultra high energy cosmic rays by the stereo technique](#)

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[Ultrahigh-Energy Photons as a Probe of Nearby Transient Ultrahigh-Energy Cosmic-Ray Sources and Possible Lorentz-Invariance Violation](#)

Kohta Murase.

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[Cosmic rays and the magnetic field in the nearby starburst galaxy NGC 253: II. The magnetic field structure](#)

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arXiv

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[Are GRB optical afterglows relatively brighter at high \$z\$?](#)

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[The *Fermi* Gamma-Ray Burst Monitor](#)

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[Close Binary Progenitors of Long Gamma Ray Bursts](#)

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[VERITAS Observations of X-ray Binaries](#)

R.Guenette, VERITAS Collaboration.

[VERITAS Observations of Magnetars](#)

R. Guenette, VERITAS Collaboration.

[Prolonged activity of the central engine of Gamma Ray Bursts](#)

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[Could the GRB-Supernovae GRB 031203 and XRF 060218 be Cosmic Twins?](#)

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M. Nardini, G. Ghisellini, G. Ghirlanda, A. Celotti.

[Search for gamma-ray bursts with the Antares neutrino telescope](#)

Mieke Bouwhuis, ANTARES collaboration.

[Gamma ray astronomy with Antares](#)

Goulven Guillard, ANTARES collaboration.

[On the electron energy distribution index of Swift GRBs](#)

P.A. Curran, P.A. Evans, M.J. Page, M. de Pasquale, A.J. van der Horst.

[Gamma-rays from massive protostars](#)

Gustavo E. Romero, Anabella T. Araudo, Valenti Bosch-Ramon, Josep M. Paredes.

[Discovery of the Very Red Near-Infrared and Optical Afterglow of the Short-Duration GRB 070724A](#)

E. Berger, S. B. Cenko, D. B. Fox, A. Cucchiara.

[Fermi LAT Observation of Diffuse Gamma-Rays Produced Through Interactions between Local Interstellar Matter and High Energy Cosmic Rays](#)

A. A. Abdo.

[Galactic diffuse gamma rays -- a recalculation based on the new results of cosmic electron spectrum](#)

Juan Zhang, Qiang Yuan, Xiao-Jun Bi.

[Fermi LAT Discovery of Gamma-ray Pulsars in a Blind Search](#)

P.M. Saz Parkinson, M. Dormody, M. Ziegler, LAT Collaboration.

[Testing the Epeak - Eiso relation for GRBs detected by Swift and Suzaku-WAM](#)

H. A. Krimm, K. Yamaoka, S. Sugita, M. Ohno, T. Sakamoto, S. D. Barthelmy, N. Gehrels, R. Hara, J. P. Norris, N. Ohmori, K. Onda, G. Sato, H. Tanaka, M. Tashiro, M. Yamauchi.

[Cosmology with Gamma-Ray Bursts](#)

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[CTA - A Project for a New Generation of Cherenkov Telescopes](#)

Michele Doro, CTA consortium.

[The VERITAS Blazar Key Science Project](#)

Wystan Benbow, VERITAS collaboration.

[CANGAROO-III Observation of TeV Gamma Rays from the vicinity of PSR~B1 706\\$-\\$44](#)

R.Enomoto, J.Kushida, T.Nakamori, T.Kifune, G.V.Bicknell, R.W.Clay, P.G.Edwards, S.Gunji, S.Hara, T.Hara, T.Hattori, S.Hayashi, Y.Higashi, Y.Hirai, K.Inoue, H.Ishioka, S.Kabuki, F.Kajino, H.Katagiri, A.Kawachi, R.Kiuchi, H.Kubo, T.Kunisawa, T.Matoba, Y.Matsubara, I.Matsuzawa, T.Mizukami, Y.Mizumura, Y.Mizumoto, M.Mori, H.Muraishi, T.Naito, S.Nakano, K.Nishijima, M.Ohishi, Y.Otake, S.Ryoki, K.Saito, Y.Sakamoto, A.Seki, V.Stamatescu, T.Suzuki, D.L.Swaby, T.Tanimori, G.Thornton, F.Tokanai, K.Tsuchiya, S.Watanabe, E.Yamazaki, S.Yanagita, T.Yoshida, T.Yoshikoshi, Y.Yukawa.

[Testing Einstein's special relativity with Fermi's short hard gamma-ray burst GRB090510](#)

Fermi GBM/LAT Collaborations.

[Agile Detection of Delayed Gamma-Ray Emission from the Short Gamma-Ray Burst GRB 090510](#)

A. Giuliani, F. Fuschino, G. Vianello, M. Marisaldi, S. Mereghetti, M. Tavani, S. Cutini, G. Barbiellini, F. Longo, E. Moretti, M. Feroci, E. Del Monte, A. Argan, A. Bulgarelli, P. Caraveo, P. W. Cattaneo, A. W. Chen, T. Contessi, F. D'Ammando, E. Costa, G. De Paris, G. Di Cocco, I. Donnarumma, Y. Evangelista, A. Ferrari, M. Fiorini, M. Galli, F. Gianotti, C. Labanti, I. Lapshov, F. Lazzarotto, P. Lipari, A. Morselli, L. Pacciani, A. Pellizzoni, F. Perotti, G. Piano, P. Picozza, M. Pilia, G. Pucella, M. Prest, M. Rapisarda, A. Rappoldi, A. Rubini, S. Sabatini, E. Scalise, E. Striani, P. Soffitta, M. Trifoglio, A. Trois, E. Vallazza, S. Vercellone, V. Vittorini, A. Zambra, D. Zanello, C. Pittori, F. Verrecchia, P. Santolamazza, P. Giommi, S. Colafrancesco, L.A. Antonelli, L. Salotti.

[Advances on GRB as cosmological tools](#)

G. Ghirlanda.

[The bright optical/NIR afterglow of the faint GRB 080710 - Evidence for a jet viewed off axis](#)

T. Krühler, J. Greiner, P. Afonso, D. Burlon, C. Clemens, R. Filgas, D. A. Kann, S. Klose, A. Küpcü Yoldas, S. McBreen, F. Olivares, A. Rau, A. Rossi, S. Schulze, G. P. Szokoly, A. Updike, A. Yoldas.

[Spectral Lags and the Lag-Luminosity Relation: An Investigation with Swift BAT Gamma-ray Bursts](#)

T. N. Ukwatta, M. Stamatikos, K. S. Dhuga, T. Sakamoto, S. D. Barthelmy, N. Gehrels, J. P. Norris, W. C. Parke.

[Properties of Long Gamma-Ray Burst Host Galaxies in Cosmological Simulation](#)

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[The early high-energy afterglow emission from Short GRBs](#)

Hao-Ning He, Xiang-Yu Wang.

[Gamma-Ray Telescopes \(in "400 Years of Astronomical Telescopes"\)](#)

N. Gehrels, J.K. Cannizzo.

[Radio detection of LAT PSRs J1741-2054 and J2032+4127: no longer just gamma-ray pulsars](#)

F. Camilo, P. S. Ray, S. M. Ransom, M. Burgay, T. J. Johnson, M. Kerr, E. V. Gotthelf, J. P. Halpern, J. Reynolds, R. W. Romani, P. Demorest, S. Johnston, W. van Straten, P. M. Saz Parkinson, M. Ziegler, M. Dormody, D. J. Thompson, D. A. Smith, A. K. Harding, A. A. Abdo, F. Crawford, P. C. C. Freire, M. Keith, M. Kramer, M. S. E. Roberts, P. Weltevrede, K. S. Wood.

[The GASP-WEBT monitoring of 3C 454.3 during the 2008 optical-to-radio and gamma-ray outburst](#)

M. Villata, C. M. Raiteri, M. A. Gurwell, V. M. Larionov, O. M. Kurtanidze, M. F. Aller, A. Lahteenmaki, W. P. Chen, K. Nilsson.

[Contamination of short GRBs by giant magnetar flares: Significance of downward revision in distance to SGR 1806-20](#)

Paul A Crowther, Joanne L Bibby, James P Furness, J Simon Clark.

[Spectral-Luminosity relation within individual Fermi GRBs](#)

G. Ghirlanda, L. Nava, G. Ghisellini.

[Discovery of a Relativistic Supernova Without a Gamma-ray Trigger](#)

A. M. Soderberg, S. Chakraborti, G. Pignata, R. A. Chevalier, P. Chandra, A. Ray, M. H. Wieringa, A. Copete, V. Chaplin, V. Connaughton, S. D. Barthelmy, M. F. Bietenholz, N. Chugai, M. D. Stritzinger, M. Hamuy, C. Fransson, O. Fox, E. M.

Levesque, J. E. Grindlay, P. Challis, R. J. Foley, R. P. Kirshner, P. A. Milne, M. A. P. Torres.

[Modeling gamma-ray burst observations by Fermi and MAGIC including attenuation due to diffuse background light](#)

Rudy C. Gilmore, Francisco Prada, Joel R. Primack.

[X-Ray Flares In GRB090812 - Case Study](#)

Shlomo Dado, Arnon Dar.

[Modeling the radio and optical/NIR afterglows of GRB 980703: a numerical study](#)

S. W. Kong, Y. F. Huang, K. S. Cheng, T. Lu.

[CANGAROO-III search for TeV Gamma-rays from two clusters of galaxies](#)

R. Kiuchi, M. Mori, G. V. Bicknell, R. W. Clay, P. G. Edwards, R. Enomoto, S. Gunji, S. Hara, T. Hara, T. Hattori, S. Hayashi, Y. Higashi, Y. Hirai, K. Inoue, C. Itoh, S. Kabuki, F. Kajino, H. Katagiri, A. Kawachi, T. Kifune, H. Kubo, J. Kushida, Y. Matsubara, T. Mizukami, Y. Mizumoto, R. Mizuniwa, H. Muraishi, Y. Muraki, T. Naito, T. Nakamori, S. Nakano, D. Nishida, K. Nishijima, M. Ohishi, Y. Sakamoto, A. Seki, V. Stamatescu, T. Suzuki, D. L. Swaby, T. Tanimori, G. Thornton, F. Tokanai, K. Tsuchiya, S. Watanabe, Y. Yamada, E. Yamazaki, S. Yanagita, T. Yoshida, T. Yoshikoshi, Y. Yukawa.

[Fermi/LAT discovery of gamma-ray emission from a relativistic jet in the narrow-line Seyfert 1 quasar PMN J0948+0022](#)

L. Foschini, Fermi/LAT Collaboration, G. Ghisellini, L. Maraschi, F. Tavecchio, E. Angelakis.

[Gamma-ray emission from pulsar/massive-star binaries](#)

Gustavo E. Romero.

[Can X-ray emission powered by a spinning-down magnetar explain some GRB light curve features?](#)

N. Lyons, P.T. O'Brien, B. Zhang, R. Willingale, E. Troja, R.L.C. Starling.

[Search for gravitational-wave bursts associated with gamma-ray bursts using data from LIGO Science Run 5 and Virgo Science Run 1](#)

LIGO Scientific Collaboration, Virgo Collaboration, B. P. Abbott, R. Abbott, F. Acernese, R. Adhikari, P. Ajith, B. Allen, G. Allen, M. Alshourbagy, R. S. Amin, S. B. Anderson, W. G. Anderson, F. Antonucci, S. Aoudia, M. A. Arain, M. Araya, H. Armandula, P. Armor, K. G. Arun, Y. Aso, S. Aston, P. Astone, P. Aufmuth, C. Aulbert, S. Babak, P. Baker, G. Ballardin, S. Ballmer, C. Barker, D. Barker, F. Barone, B. Barr, P. Barriga, L. Barsotti, M. Barsuglia, M. A. Barton, I. Bartos, R. Bassiri, M. Bastarrika, Th. S. Bauer, B. Behnke, M. Beker, M. Benacquista, J. Betzwieser, P. T. Beyersdorf, S. Bigotta, I. A. Bilenko, G. Billingsley, S. Birindelli, R. Biswas, M. A. Bizouard, E. Black, J. K. Blackburn, L. Blackburn, D. Blair, B. Bland, C. Boccara, T. P. Bodiya, L. Bogue, F. Bondu, L. Bonelli, R. Bork.

[Imprint of galaxy clustering in the cosmic gamma-ray background](#)

Shin'ichiro Ando, Vasiliki Pavlidou.



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – Aug.2009

[GRB 080916C and GRB 090510: the high energy emission and the afterglow](#)

Wei-Hong Gao, Ji-Rong Mao, Dong Xu, Yi-Zhong Fan.

[Gamma-Rays from Ultracompact Primordial Dark Matter Minihalos](#)

Pat Scott, Sofia Sivertsson.

[Robust Constraints on Dark Matter Annihilation into Gamma Rays and Charged Particles](#)

T. D. Jacques.

[Identification of the Early Fermi LAT Gamma-Ray Bright Objects with Extragalactic VLBI sources](#)

Y. Y. Kovalev.

[Lorentz Factor Constraint from the very early external shock of the gamma-ray burst ejecta](#)

Yuan-Chuan Zou, Tsvi Piran.

[Gamma Ray Spectra from Dark Matter Annihilation and Decay](#)

Jean-François Fortin, Jessie Shelton, Scott Thomas, Yue Zhao.

NEUTRINOS AND PROTON DECAY

ApP

[The Antarctic Impulsive Transient Antenna ultra-high energy neutrino detector: Design, performance, and sensitivity for the 2006–2007 balloon flight](#)

P.W. Gorham, P. Allison, S.W. Barwick, J.J. Beatty, D.Z. Besson, W.R. Binns, C. Chen, P. Chen, J.M. Clem, A. Connolly, P.F. Dowkontt, M.A. DuVernois, R.C. Field, D. Goldstein, A. Goodhue, C. Hast, C.L. Hebert, S. Hoover, M.H. Israel, J. Kowalski, *et al.*

JCAP

[Neutrino fluxes from CNO cycle in the Sun in the non stationary case with mixing](#)

A. Kopylov and V. Petukhov

[Prospects for dark matter detection with IceCube in the context of the CMSSM](#)

Roberto Trotta, Roberto Ruiz de Austri and Carlos Pérez de los Heros

PLB

[Neutrino mixing discriminates geo-reactor models](#)

Stephen T. Dye

[Low-energy limits on heavy Majorana neutrino masses from the neutrinoless double-beta decay and non-unitary neutrino mixing](#)

Zhi-zhong Xin

[Natural suppression of proton decay in supersymmetric type III seesaw models](#)

Rabindra N. Mohapatra

NIMA

[Study of the acoustic signature of UHE neutrino interactions in water and ice](#)

S. Bevan, A. Brown, S. Danaher, J. Perkin, C. Rhodes, T. Sloan, L. Thompson, O. Veledar, D. Waters and The ACORNE Collaboration

PRD

[Probing nonunitary mixing and CP violation at a neutrino factory](#)

Stefan Antusch, Mattias Blennow, Enrique Fernandez-Martinez, Jacobo López-Pavón.

[Model of TeV scale physics for neutrino mass, dark matter, and baryon asymmetry and its phenomenology](#)

Mayumi Aoki, Shinya Kanemura, Osamu Seto.

[Neutrino oscillation in a magnetized gamma-ray burst fireball](#)

Sarira Sahu, Nissim Fraija, Yong-Yeon Keum.

[Proton decay and fermion masses in supersymmetric SO\(10\) model with unified Higgs sector](#)

Yunfei Wu, Da-Xin Zhang.

[Likelihood for supernova neutrino analyses](#)

A. Ianni, G. Pagliaroli, A. Strumia, F. R. Torres, F. L. Villante, F. Vissani.

PRL

[Search for Muon Neutrino and Antineutrino Disappearance in MiniBooNE](#)

A. A. Aguilar-Arevalo, *et al.*.

[Atmospheric, Long Baseline, and Reactor Neutrino Data Constraints on \$\theta_{13}\$](#)

J. E. Roa, D. C. Latimer, D. J. Ernst.

[Dynamical Collective Calculation of Supernova Neutrino Signals](#)

Jérôme Gava, James Kneller, Cristina Volpe, G. C. McLaughlin.

[Large Hadron Collider Probe of Supersymmetric Neutrinoless Double-Beta-Decay Mechanism](#)

B. C. Allanach, C. H. Kom, H. Päs.

[Comment on “Hypersharp Resonant Capture of Neutrinos as a Laboratory Probe of the Planck Length”](#)

W. Potzel, F. E. Wagner.

[Comment on “Hypersharp Resonant Capture of Neutrinos as a Laboratory Probe of the Planck Length”](#)

J. P. Schiffer.

arXiv

[Sensitivity of JEM-EUSO to GRB Neutrinos](#)

Katsuaki Asano, Kenji Shinozaki, Masahiro Teshima.

[Supernova Search with the AMANDA / IceCube Detectors](#)

Thomas Kowarik, Timo Griesel, Alexander Piégsa, Icecube Collaboration.

[Model independent constraints on mass-varying neutrino scenarios](#)

Urbano Franca, Massimiliano Lattanzi, Julien Lesgourgues, Sergio Pastor.

[Search for neutrinos from transient sources with the ANTARES telescope and optical follow-up observations](#)

D. Dornic, S. Basa, J. Brunner, I. Al Samarai, J. Busto, A. Klotz, S. Escoffier, V. Bertin, B. Vallage, B. Gendre, A. Mazure, M. Boer on behalf the ANTARES, TAROT Collaboration.

[Charge Calibration of the ANTARES high energy neutrino telescope](#)

Bruny Baret, ANTARES collaboration.

[Concepts and performance of the Antares data acquisition system](#)

Mieke Bouwhuis, ANTARES collaboration.

[Positioning system of the ANTARES Neutrino Telescope](#)

Anthony M. Brown, ANTARES collaboration.

[Reconstruction of Atmospheric Neutrinos in Antares](#)

Aart Heijboer, ANTARES collaboration.

[Search for gamma-ray bursts with the Antares neutrino telescope](#)

Mieke Bouwhuis, ANTARES collaboration.

[Gamma ray astronomy with Antares](#)

Goulven Guillard, ANTARES collaboration.

[Skymap for atmospheric muons at TeV energies measured in deep-sea neutrino telescope ANTARES](#)

Salvatore Mangano, ANTARES Collaboration.

[Search for Exotic Physics with the ANTARES Detector](#)

Gabriela Pavalas, Nicolas Picot Clemente, ANTARES Collaboration.

[Underwater acoustic detection of UHE neutrinos with the ANTARES experiment](#)

Francesco Simeone, ANTARES Collaboration.

[Point source searches with the ANTARES neutrino telescope](#)

Simona Toscano, ANTARES collaboration.

[The ANTARES Neutrino Telescope: status and first results](#)

Anthony M Brown, ANTARES Collaboration.

[Multimessenger search for point sources: ultra-high energy cosmic rays and neutrinos](#)

Jelena Petrovic.

[Resolving Cosmic Neutrino Structure: A Hybrid Neutrino N-body Scheme](#)

Jacob Brandbyge, Steen Hannestad.

[Reconstructing the supernova bounce time with neutrinos in IceCube](#)

Francis Halzen, Georg G. Raffelt.

[Searching for high-energy neutrinos in coincidence with gravitational waves with the ANTARES and VIRGO/LIGO detectors](#)

V. Van Elewyck, ANTARES collaboration.

[Coherent and random UHECR Spectroscopy of Lightest Nuclei along CenA: Shadows on GZK Tau Neutrinos spread in a near sky and time](#)

D.Fargion.

[Acoustic detection of high energy neutrinos in ice: Status and results from the South Pole Acoustic Test Setup](#)

Freija Descamps, IceCube Collaboration.

[Massive stars and high-energy neutrinos](#)

Gustavo E. Romero.

[Search for neutrino flares from point sources with IceCube](#)

J. L. Bazo Alba, E. Bernardini, R. Lauer, IceCube Collaboration.

[Constraints on Extragalactic Point Source Flux from Diffuse Neutrino Limits](#)

Andrea Silvestri, Steven W. Barwick.

[Diffuse high energy neutrinos and cosmic rays from hyperflares of soft-gamma repeaters](#)

Xue-Wen Liu, Xue-Feng Wu, Tan Lu.

[Measurements of Neutrino Cross Sections Near 1 GeV](#)

M.O. Wascko.

[Flavor symmetries, leptogenesis and the absolute neutrino mass scale](#)

E. Bertuzzo, P. Di Bari, F. Feruglio, E. Nardi.

[Friedberg-Lee symmetry and tri-bimaximal neutrino mixing in the inverse seesaw mechanism](#)

Aik Hui Chan, Hwee Boon Low, Zhi-zhong Xing.



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – Aug.2009

[Kaluza-Klein Dark Matter And Neutrinos From Annihilation In The Sun](#)

Thomas Flacke, Arjun Menon, Dan Hooper, Katherine Freese.

[Underground Neutrino Detectors for Particle and Astroparticle Science: the Giant Liquid Argon Charge Imaging Experiment \(GLACIER\)](#)

A. Rubbia.

[Perturbative Lorentz and CPT violation for neutrino and antineutrino oscillations](#)

Jorge S. Diaz, Alan Kostelecky, Matthew Mewes.

[Relativistic quantum theories and neutrino oscillations](#)

B. D. Keister, W. N. Polyzou.

[Research of the natural neutrino fluxes by use of large volume scintillation detector at Baksan](#)

I.R. Barabanov, G.Ya. Novikova, V.V. Sinev, E.A. Yanovich.

[Massive neutrinos, Lorentz invariance dominated standard model and the phenomenological approach to neutrino oscillations](#)

Josip Soln.

[Light Dark Matter Detection Prospects at Neutrino Experiments](#)

Jason Kumar, John G. Learned, Stefanie Smith.

[Neutrino Theory: Some Recent Developments](#)

Ernest Ma.

[Dark Matter Through the Neutrino Portal](#)

Adam Falkowski, Jose Juknevich, Jessie Shelton.

[On the origin of neutrino flavour symmetry](#)

Stephen F.King, Christoph Luhn.

[A new strategy for probing the Majorana neutrino CP violating phases and masses](#)

David Delepine, Vannia Gonzalez Macias, Shaaban Khalil, Gabriel Lopez Castro.

[Why Neutrino Lines are Hypersharp](#)

R. S. Raghavan.

[Status of CPT-violating neutrinos](#)

Gabriela Barenboim, Joseph D. Lykken.

[A minimal model linking two great mysteries: neutrino mass and dark matter](#)

Yasaman Farzan.

[Hidden MeV-Scale Dark Matter in Neutrino Detectors](#)

Jennifer Kile, Amarjit Soni.

[Comment on "Hypersharp Resonant Capture of Neutrinos as a Laboratory Probe of the Planck Length"](#)

W. Potzel, F. E. Wagner.

[A New Proposal for Neutrino Mass and \$|V_{ud}|\$ Measurements](#)

Akihiro Matsuzaki, Hidekazu Tanaka.

[Some aspects of neutrino mixing and oscillations](#)

Sanjib Kumar Agarwalla.

[A phenomenological study of photon production in low energy neutrino nucleon scattering](#)

James Jenkins, Terry Goldman.

[The low-temperature energy calibration system for the CUORE bolometer array](#)

S. Sangiorgio, L. M. Ejzak, K. M. Heeger, R. H. Maruyama, A. Nucciotti, M. Olcese, T. S. Wise, A. L. Woodcraft.

[Nuclear physics for geo-neutrino studies](#)

Gianni Fiorentini, Aldo Ianni, George Korga, Marcello Lissia, Fabio Mantovani, Lino Miramonti, Lothar Oberauer, Michel Obolensky, Oleg Smirnov, Yury Suvorov.

[Average and recommended half-life values for two neutrino double beta decay: upgrade-09](#)

A.S. Barabash.

[Nuclear Security Applications of Antineutrino Detectors: Current Capabilities and Future Prospects](#)

A. Bernstein, G. Baldwin, B. Boyer, M. Goodman, J. Learned, J. Lund, D. Reyna, R. Svoboda.

[Theoretical study of lepton events in the atmospheric neutrino experiments at SuperK](#)

M. Sajjad Athar, S. Chauhan, S. K. Singh.

[Precision high voltage divider for the KATRIN experiment](#)

Th. Thümmler, R. Marx, Ch. Weinheimer.

GRAVITATIONAL WAVES

PLB

[Probing the \$f\(R\)\$ formalism through gravitational wave polarizations](#)

M.E.S. Alves, O.D. Miranda, J.C.N. de Araujo

NIMA

[Directional radiative cooling thermal compensation for gravitational wave interferometer mirrors](#)

Carl Justin Kamp, Hinata Kawamura, Roberto Passaquieti, Riccardo DeSalvo

PRD

[Stacking gravitational wave signals from soft gamma repeater bursts](#)

P. Kalmus, K. C. Cannon, S. Márka, B. J. Owen.

[Limits on high-frequency gravitational wave background from its interplay with large scale magnetic fields](#)

M. S. Pshirkov, D. Baskaran.

[Einstein@Home search for periodic gravitational waves in early S5 LIGO data](#)

B. P. Abbott, D. P. Anderson, *et al.*

[Optimal calibration accuracy for gravitational-wave detectors](#)

Lee Lindblom.

[Increasing the sensitivity of future gravitational-wave detectors with double squeezed-input](#)

Farid Ya. Khalili, Haixing Miao, Yanbei Chen.

[Identification of gravitational wave signals from chaotic astrophysical systems through phase space and attractor properties](#)

M. Cizak, F. Marino, A. Ortolan, T. Dal Canton.

[Non-Gaussianity analysis of a gravitational wave background made by short-duration burst signals](#)

Naoki Seto.

[CMB polarization systematics, cosmological birefringence, and the gravitational waves background](#)

Luca Pagano, Paolo de Bernardis, Grazia De Troia, Giulia Gubitosi, Silvia Masi, Alessandro Melchiorri, Paolo Natoli, Francesco Piacentini, Gianluca Polenta.

[Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run](#)

B. P. Abbott, *et al.*

arXiv

[Timing stability of millisecond pulsars and prospects for gravitational-wave detection](#)

J.P.W. Verbiest, M. Bailes, W.A. Coles, G.B. Hobbs, W. van Straten, D.J. Champion, F.A. Jenet, R.N. Manchester, N.D.R. Bhat, J.M. Sarkissian, D. Yardley, S. Burke-Spolaor, A.W. Hotan, X.P. You.

[Gravitational waves from self-ordering scalar fields](#)

Elisa Fenu, Daniel G. Figueroa, Ruth Durrer, Juan Garcia-Bellido.

[Induced gravitational wave background and primordial black holes](#)

Edgar Bugaev, Peter Klimai.



[Binaries of massive black holes in rotating clusters: Dynamics, gravitational waves, detection and the role of eccentricity](#)

Pau Amaro-Seoane, Christoph Eichhorn, Ed Porter, Rainer Spurzem.

[Search for gravitational-wave bursts associated with gamma-ray bursts using data from LIGO Science Run 5 and Virgo Science Run 1](#)

LIGO Scientific Collaboration, Virgo Collaboration, B. P. Abbott, R. Abbott, F. Acernese, R. Adhikari, P. Ajith, B. Allen, G. Allen, M. Alshourbagy, R. S. Amin, S. B. Anderson, W. G. Anderson, F. Antonucci, S. Aoudia, M. A. Arain, M. Araya, H. Armandula, P. Armor, K. G. Arun, Y. Aso, S. Aston, P. Astone, P. Aufmuth, C. Aulbert, S. Babak, P. Baker, G. Ballardin, S. Ballmer, C. Barker, D. Barker, F. Barone, B. Barr, P. Barriga, L. Barsotti, M. Barsuglia, M. A. Barton, I. Bartos, R. Bassiri, M. Bastarrika, Th. S. Bauer, B. Behnke, M. Beker, M. Benacquista, J. Betzwieser, P. T. Beyersdorf, S. Bigotta, I. A. Bilenko, G. Billingsley, S. Birindelli, R. Biswas, M. A. Bizouard, E. Black, J. K. Blackburn, L. Blackburn, D. Blair, B. Bland, C. Boccara, T. P. Bodiya, L. Bogue, F. Bondu, L. Bonelli, R. Bork.

[Non-Gaussianity analysis of GW background made by short-duration burst signals](#)

Naoki Seto.

[Energy-Momentum Density of Gravitational Waves](#)

Amir M. Abbassi, Saeed Mirshekari.

[Optical Detector Topology for Third-Generation Gravitational Wave Observatories](#)

A Freise, S Hild, K Somiya, K A Strain, A Vicere, M Barsuglia, S Chelkowski.

[Probing the \$f\(R\)\$ formalism through gravitational wave polarizations](#)

Marcio E.S. Alves, Oswaldo D. Miranda, Jose C.N. de Araujo.

[A Search For Gravitational Waves from Perturbed Black Hole Ringdowns in LIGO Data](#)

Lisa Maria Goggin.

[A stochastic template placement algorithm for gravitational wave data analysis](#)

Ian Harry, Bruce Allen, B.S. Sathyaprakash.

[Triangulation of gravitational wave sources with a network of detectors](#)

Stephen Fairhurst.

[Numerical relativity simulations in the era of the Einstein Telescope](#)

Mark Hannam, Ian Hawke.

[X-Pipeline: An analysis package for autonomous gravitational-wave burst searches](#)

Patrick J. Sutton, Gareth Jones, Shourov Chatterji, Peter Michael Kalmus, Isabel Leonor, Stephen Poprocki, Jameson Rollins, Antony Searle, Leo Stein, Massimo Tinto, Michal Was.

[Gravitational Waves and Light Cosmic Strings](#)

Matthew R Depies.



ASPERA

ASTROPARTICLE PUBLICATION REVIEW – Aug.2009

[Searching for Galactic White Dwarf Binaries in the Second Mock LISA Data Challenge using an F-Statistic Template Bank](#)

John T. Whelan, Reinhard Prix, Deepak Khurana.

[Current status of gravitational-wave observations](#)

Stephen Fairhurst, Gianluca M Guidi, Patrice Hello, John T Whelan, Graham Woan.

[Theory and modeling of the magnetic field measurement in LISA PathFinder](#)

M Diaz-Aguilo, E Garcia-Berro, A Lobo.

[Noncommutative quantum mechanics of a test particle under linearized gravitational waves](#)

Anirban Saha, Sunandan Gangopadhyay.

GENERAL

ApP

[Interpretation of the underground muon charge ratio](#)

P.A. Schreiner, J. Reichenbacher, M.C. Goodman

NIM A

[Temperature behavior of NaI\(Tl\) scintillation detectors](#)

K.D. Ianakiev, B.S. Alexandrov, P.B. Littlewood, M.C. Browne

[Theoretical study of three-dimensionally position-sensitive scintillation detector based on continuous crystal](#)

J. Gál, G. Kalinka, B.M. Nyakó

arXiv

[Late-time supernova light curves: The effect of internal conversion and Auger electrons](#)

I.R. Seitenzahl, S. Taubenberger, S. A. Sim.

[Type Ia Supernova Light Curve Inference: Hierarchical Bayesian Analysis in the Near Infrared](#)

Kaisey S. Mandel, W. Michael Wood-Vasey, Andrew S. Friedman, Robert P. Kirshner.

[Circumstellar interaction in type Ibn supernovae and SN 2006jc](#)

N. N. Chugai.

[Progenitors of core-collapse supernovae](#)

Stephen J. Smartt.

[Spectra and Light Curves of Failed Supernovae](#)

Chris L. Fryer, Peter J. Brown, Filomena Bufano, Jon A. Dahl, Christopher J. Fontes, Lucille H. Frey, Stephen T. Holland, Aimee L. Hungerford, Stefan Immler, Paolo Mazzali, Peter A. Milne, Evan Scannapieco, Nevin Weinberg, Patrick A. Young.

[Could the GRB-Supernovae GRB 031203 and XRF 060218 be Cosmic Twins?](#)

Lu Feng, Derek B. Fox.

[Scintillation Pulse Shape Discrimination in a Two-Phase Xenon Time Projection Chamber](#)

J. Kwong, P. Brusov, T. Shutt, C. E. Dahl, A. I. Bolozdynya, A. Bradley.

[SN2003bg: a broad-lined Type IIb Supernova with Hydrogen](#)

Paolo A. Mazzali, Jinsong Deng, Mario Hamuy, Ken'ichi Nomoto.

[Seeking Core-Collapse Supernova Progenitors in Pre-Explosion Images](#)

Douglas C. Leonard.

[The fast declining Type Ia supernova 2003gs and an apparent bimodal distribution of near-infrared absolute magnitudes at maximum light](#)

Kevin Krisciunas, Howie Marion, Nicholas B. Suntzeff, Guillaume Blanc, Filomena Bufano, Pablo Candia, Regis Cartier, Nancy Elias-Rosa, Juan Espinoza, David Gonzalez, Samuel D. Gooding, Mario Hamuy, Ethan A. Knox, Peter A. Milne, Nidia Morrell.

[Discovery of the Extremely Energetic Supernova 2008fz](#)

A.J. Drake, S.G. Djorgovski, J.L. Prieto, A. Mahabal, D. Balam, R. Williams, M.J. Graham, M. Catelan, E. Beshore, S. Larson.

[Spectropolarimetry of Extremely Luminous Type Ia Supernova 2009dc: Nearly Spherical Explosion of Super-Chandrasekhar Mass White Dwarf](#)

Masaomi Tanaka, Koji S. Kawabata, Masayuki Yamanaka, Keiichi Maeda, Takashi Hattori, Kentaro Aoki, Ken'ichi Nomoto, Masanori Iye, Toshiyuki Sasaki, Paolo A. Mazzali, Elena Pian.

[Early phase observations of extremely luminous Type Ia Supernova 2009dc](#)

M. Yamanaka, K. S. Kawabata, K. Kinugasa, M. Tanaka, A. Imada, K. Maeda, K. Nomoto, A. Arai, S. Chiyonobu, Y. Fukazawa, O. Hashimoto, S. Honda, Y. Ikejiri, R. Itoh, Y. Kamata, N. Kawai, T. Komatsu, D. Kuroda, H. Miyamoto, S. Miyazaki, O. Nagae, H. Nakaya, T. Ohsugi, T. Omodaka, N. Sakai, M. Sasada, M. Suzuki, H. Taguchi, H. Takahashi, H. Tanaka, M. Uemura, T. Yamashita, K. Yanagisawa, M. Yoshida.

[Properties of Type II Plateau Supernova SNLS-04D2dc: Multicolor Light Curves of Shock Breakout and Plateau](#)

N. Tominaga, S. Blinnikov, P. Baklanov, K. Nomoto.

[High mass of the type IIP supernova 2004et inferred from hydrodynamic modeling](#)

V.P. Utrobin, N.N. Chugai.

[Spectra of magnetic fluctuations and relativistic particles produced by a nonresonant wave instability in supernova remnant shocks](#)

Andrey E. Vladimirov, Andrei M. Bykov, Donald C. Ellison.

[Dense Iron Ejecta and Core-collapse Supernova Explosion in the Young Supernova Remnant G11.2-0.3](#)

Dae-Sik Moon, Bon-Chul Koo, Ho-Gyu Lee, Keith Matthews, Jae-Joon Lee, Tae-Soo Pyo, Ji Yeon Seok, Masahiko Hayashi.

[Low Mach Number Modeling of Type Ia Supernovae. IV. White Dwarf Convection](#)

M. Zingale, A. S. Almgren, J. B. Bell, A. Nonaka, S. E. Woosley.

[Discovery of a Relativistic Supernova Without a Gamma-ray Trigger](#)

A. M. Soderberg, S. Chakraborti, G. Pignata, R. A. Chevalier, P. Chandra, A. Ray, M. H. Wieringa, A. Copete, V. Chaplin, V. Connaughton, S. D. Barthelmy, M. F. Bietenholz, N. Chugai, M. D. Stritzinger, M. Hamuy, C. Fransson, O. Fox, E. M. Levesque, J. E. Grindlay, P. Challis, R. J. Foley, R. P. Kirshner, P. A. Milne, M. A. P. Torres.

[The High-Metallicity Explosion Environment of the Relativistic Supernova 2009bb](#)

E. M. Levesque, A. M. Soderberg, R. J. Foley, E. Berger, L. J. Kewley, S. Chakraborti, A. Ray, M. A. P. Torres, P. Challis, R. P. Kirshner, S. D. Barthelmy, M. F. Bietenholz, P. Chandra, V. Chaplin, R. A. Chevalier, N. Chugai, V. Connaughton, A. Copete, O. Fox, C. Fransson, J. E. Grindlay, M. A. Hamuy, P. A. Milne, G. Pignata, M. D. Stritzinger, M. H. Wieringa.

[The Early Asymmetries of Supernova 2008D / XRF 080109](#)

J.R. Maund, J.C. Wheeler, D.Baade, F. Patat, P.A. Hoflich, L. Wang, A. Clocchiatti.

[Plasma instabilities as a result of charge exchange in the downstream region of supernova remnant shocks](#)

Yutaka Ohira, Toshio Terasawa, Fumio Takahara.

[Three-Dimensional Simulations of Mixing Instabilities in Supernova Explosions](#)

N.J. Hammer, H.-Th. Janka, E. Mueller.

[Photometric Calibration of the Supernova Legacy Survey Fields](#)

N. Regnault, A. Conley, J. Guy, M. Sullivan, J.-C. Cuillandre, P. Astier, C. Balland, S. Basa, R. G. Carlberg, D. Fouchez, D. Hardin, I. M. Hook, D. A. Howell, R. Pain, K. Perrett, C. J. Pritchett.

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K.S. Dawson, G. Aldering, R. Amanullah, K. Barbary, L. F. Barrientos, M. Brodwin, N. Connolly, A. Dey, M. Doi, M. Donahue, P. Eisenhardt, E. Ellingson, L. Faccioli, V. Fadeyev, H. K. Fakhouri, A. S. Fruchter, D. G. Gilbank, M. D. Gladders, G. Goldhaber, A. H. Gonzalez, A. Goobar, A. Gude, T. Hattori, H. Hoekstra, X. Huang, Y. Ihara, B. T. Jannuzi, D. Johnston, K. Kashikawa, B. Koester, K. Konishi, M. Kowalski, C. Lidman, E. V. Linder, L. Lubin, J. Meyers, T. Morokuma, F. Munshi, C. Mullis, T. Oda, N. Panagia, S. Perlmutter, M. Postman, T. Pritchard, J. Rhodes, P. Rosati, D. Rubin, D. J.

Schlegel, A. Spadafora, S. A. Stanford, V. Stanishev, D. Stern, M. Strovink, N. Suzuki, N. Takanashi, K. Tokita, M. Wagner, L. Wang, N. Yasuda, H. K. C. Yee.

[Near-IR search for lensed supernovae behind galaxy clusters: I. Observations and transient detection efficiency](#)

V. Stanishev, A. Goobar, K. Paech, R. Amanullah, T. Dahlé, J. Jönsson, J. P. Kneib, C. Lidman, M. Limousin, E. Mörtzell, S. Nobili, J. Richard, T. Riehm, M. von Strauss.

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Richard Kessler, Andrew Becker, David Cinabro, Jake Vanderplas, Joshua A. Frieman, John Marriner, Tamara M Davis, Benjamin Dilday, Jon Holtzman, Saurabh Jha, Hubert Lampeitl, Masao Sako, Mathew Smith, Chen Zheng, Robert C. Nichol, Bruce Bassett, Ralf Bender, Darren L. Depoy, Mamoru Doi, Ed Elson, Alex V. Filippenko, Ryan J. Foley, Peter M. Garnavich, Ulrich Hopp, Yutaka Ihara, William Ketzeback, W. Kollatschny, Kohki Konishi, Jennifer L. Marshall, Russet J. McMillan, Gajus Miknaitis, Tomoki Morokuma, Edvard M"ortzell, Kaike Pan, Jose Luis Prieto, Michael W. Richmond, Adam G. Riess, Roger Romani, Donald P. Schneider, Jesper Sollerman, Naohiro Takanashi, Kouichi Tokita, Kurt van der Heyden, J. C. Wheeler, Naoki Yasuda, Donald York.

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J. Sollerman, E. Mörtzell, T. M. Davis, M. Blomqvist, B. Bassett, A. C. Becker, D. Cinabro, A. V. Filippenko, R. J. Foley, J. Frieman, P. Garnavich, H. Lampeitl, J. Marriner, R. Miquel, R. C. Nichol, M. W. Richmond, M. Sako, D. P. Schneider, M. Smith, J. T. Vanderplas, J. C. Wheeler.

[The Sloan Digital Sky Survey-II: Photometry and Supernova Ia Light Curves from the 2005 data](#)

Jon A. Holtzman, John Marriner, Richard Kessler, Masao Sako, Ben Dilday, Joshua A. Frieman, Donald P. Schneider, Bruce Bassett, Andrew Becker, David Cinabro, Fritz DeJongh, Darren L. Depoy, Mamoru Doi, Peter M. Garnavich, Craig J. Hogan, Saurabh Jha, Kohki Konishi, Hubert Lampeitl, Jennifer L. Marshall, David McGinnis, Gajus Miknaitis, Robert C. Nichol, Jose Luis Prieto, Adam G. Riess, Michael W. Richmond, Roger Romani, Mathew Smith, Naohiro Takanashi, Kouichi Tokita, Kurt van der Heyden, Naoki Yasuda, Chen Zheng.

[SNANA: A Public Software Package for Supernova Analysis](#)

Richard Kessler, Joseph P. Bernstein, David Cinabro, Benjamin Dilday, Joshua A. Frieman, Saurabh Jha, Stephen Kuhlmann, Gajus Miknaitis, Masao Sako, Matt Taylor, Jake Vanderplas.