

David G. Cerdeño

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Contact

Personal data

Date of Birth: 26 May 1975 (Madrid, Spain)

Nationality: Spanish

davidg.cerdeno@gmail.com

Address

Institute for Particle Physics Phenomenology (IPPP)

Durham University, South Rd, Durham DH1 3LE, United Kingdom

+44 (0)7874713352

Research Fields

Astroparticle Physics

Theory and Phenomenology of Dark Matter models.

Direct Dark Matter detection

Member of the SuperCDMS Collaboration. PI of the IPPP group in SuperCDMS.

Particle Physics Phenomenology

Supersymmetry and String theory phenomenology

Positions Held

2014–Now	Lecturer	IPPP, Durham University
2009–2014	Ramón y Cajal Fellow (Tenure track)	IFT, Universidad Autónoma de Madrid
2006–2009	Juan de la Cierva Fellow	IFT, Universidad Autónoma de Madrid
2004–2006	Research Associate	IPPP, Durham University
2003–2004	Postdoctoral Researcher	Hamburg Universität
2002–2003	Postdoctoral Researcher	Martin-Luther Universität Halle-Wittenberg

Qualifications

22 Oct. 2012	Senior Lecturer Spanish Accreditation	ANECA
	Awarded by the National Agency for Quality Assessment and Accreditation of Spain.	
25 Jul. 2002	Ph.D. in Physics	Universidad Autónoma de Madrid
	“Phenomenological analyses in supersymmetric scenarios, superstrings and M-theory”	
	Supervisor: Prof. Carlos Muñoz	
Sep. 2000	M.Sc. in Physics	Universidad Autónoma de Madrid
	“Phenomenology of non-standard embedding and five-branes in M-theory”	
	Supervisor: Prof. Carlos Muñoz	
Jun. 1998	Degree in Physics	Universidad Autónoma de Madrid

Teaching

Postgraduate courses

2014–2016	Astroparticle Physics Lecturer. 8 hours	Durham University
2013–2015	Astroparticle Physics Lecturer. 2 courses, 10 hours each	Universidad Autónoma de Madrid
2009–2012	Beyond the Standard Model Lecturer. 3 courses, 10 hours each	Universidad Autónoma de Madrid
Apr. 2009	Dark matter and its direct detection Block Course by invitation at the Max-Planck-Institut für Physik (Werner-Heisenberg-Institut) München, Germany, 6-9 April, 2009. (8 hours).	Max-Planck-Institut für Physik

Undergraduate courses

2014–2016	Mathematics Workshop: Integral Transforms (PHYS3591) Lecturer. 16 hours per academic year	Durham University
2014–2016	Physics Problem Solving: Computing Projects (PHYS3561) Lecturer.	Durham University
2007–2014	Mathematical Methods in Physics II Lecturer and Course Coordinator. 7 courses, 60 hours each.	Universidad Autónoma de Madrid
2012–2014	Experimental detection of dark matter: the SuperCDMS experiment Lecturer. 2 courses, 60 hours each.	Universidad Autónoma de Madrid
2004–2006	Level 1 General Physics Tutor. 2 courses, 38 hours each.	Durham University

Physics Schools

2015	HEP Summer School Lecturer for the course “Astroparticle Physics: Dark Matter and Neutrinos” (5 hours) and tutor.	Lancaster University
2014–2015	Taller de Altas Energías (TAE) Lecturer for the course “Dark Matter” (2 courses, 2 hours each).	Centro de Física Pedro Pascual
2008	Taller de Altas Energías (TAE) Tutor for the school	Universidad Autónoma de Madrid
2005–2006	BUSSTEPP Tutor at the 35 th and 36 th British Universities Summer School in Theoretical Elementary Particle Physics” (BUSSTEPP 2005 in Ambleside and 2006 in Edinburgh).	

Student Supervision

PhD

Ongoing	Andrew Cheek	Durham University
Ongoing	Víctor Martín Lozano Co-supervised with J.Moreno. Completion expected in September 2016	Universidad Autónoma de Madrid
Jul. 2014	Miguel Peiró “A complementary approach for the identification of dark matter”	Universidad Autónoma de Madrid

MSc

Oct. 2015	Elias Gerstmayr “Direct Detection of Dark Matter: Annual Modulation in EFT operators”	Durham University
Oct. 2015	Isabel Pennock “Studying the neutrino coherent scattering with direct dark matter experiments”	Durham University
Oct. 2013	Leyre Esteban Otano “Study of the background from cosmogenic muons in SuperCDMS	Universidad Autónoma de Madrid
Oct. 2013	Sandra Robles “Phenomenology of the RH sneutrino in the NMSSM”	Universidad Autónoma de Madrid
Oct. 2012	Víctor Martín Lozano “Displaced Vertices in the NMSSM with Right-Handed Neutrino”	Universidad Autónoma de Madrid
Oct. 2010	Miguel Peiró “Very light sneutrino dark matter in the NMSSM”	Universidad Autónoma de Madrid
Jun. 2006	Tom Varley “Particle dark matter” (Co-supervised with A. Dedes).	Durham University

BSc project

Jun. 2013	Cristina Marcos Martín “Direct detection of dark matter”	Universidad Autónoma de Madrid
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Projects

2013–2018	String Phenomenology in the LHC Era ERC Advanced Grant SPLE (PI: Luis Ibáñez).	RC-2012-ADG-20120216-32042
2012–2015	Astroparticles in the Universe Supported by the Spanish MICINN (PI: Carlos Muñoz).	FPA2012-34694
2012	Supersymmetric Dark Matter Cooperation between UAM and Torino University, supported by the Spanish MICINN (PI: David G. Cerdeño).	AIC-D-2011-0771
2009–2014	Proyecto de Investigación Ramón y Cajal Supported by the Spanish MICINN (PI: David G. Cerdeño).	1001050044
2009–2014	Consolider-Ingenio 2010: MultiDark Supported by the Spanish MICINN. (PI: Carlos Muñoz).	CSD2009-00064
2009–2014	HEPHACOS Supported by the Community of Madrid. (PI: Luis Ibáñez)	S2009/ESP-1473
2009–2012	Astroparticles in the Universe Supported by the Spanish MICINN. (PI: Carlos Muñoz).	FPA2009-08958
2008–2009	Supersymmetric Dark Matter Cooperation between UAM and Torino University, supported by the Spanish DGI of the MEC and the Italian INFN. (PI: Carlos Muñoz).	FPA2008-04058-E/INFN
2006–2009	Astroparticles in the Universe: Dark Matter, Neutrinos, and Cosmic Rays Supported by the DGI of the Spanish Ministry of Science and Education (MEC) (PI: Gustavo Yepes).	FPA 2006-01105
2006–2007	Direct and Indirect Detection of Dark Matter in Supersymmetry and Superstrings Acción Integrada Hispano-Francesa between UAM and CNRS (LPT-Orsay), supported by the Spanish DGI of the MEC and the French EGIDE of the Ministry of Foreign Affairs (PI: Carlos Muñoz).	HF-2005-0005
2007–2008	Susy Dark Matter Cooperation between UAM and Torino University, supported by the Spanish DGI of the MEC and the Italian INFN (PI: Carlos Muñoz).	INFN07-31, CICYT-INFN 2007

2006–2010	UniverseNet Research Training Network.	MRTN-CT-2006-035863
2004–2009	European Network for Theoretical Astroparticle Physics (ENTApP) Part of the Integrated Large Infrastructures for Astroparticle Science (ILIAS), through the University of Durham.	RII-CT-2004-506222
2004–2008	The Quest for Unification: Theory confronts experiment Research Training Network.	MRTN-CT-2004-503369
2003–2004	Acción Integrada Hispano-Alemana Through the DAAD (Deutscher Akademischer Austausch Dienst).	HA2002-0117
2003–2004	Deutsche Forschungsgemeinschaft (DFG) Schwerpunktprogramm (1096) Stringtheorie im Kontext von Teilchenphysik, Quantenfeldtheorie, Quantengravitation, Kosmologie und Mathematik.	DFG LO 536/5-2
2000–2004	RTN European Program Through the Halle-Hamburg Universities sub-node.	HPRN-CT-2000-00148
2000–2003	Física de Partículas: El modelo estándar y más allá Supported by the Spanish CICYT. At the Department of Theoretical Physics of the Universidad Autónoma de Madrid.	FPA2000-0980
1998–2000	Física de Altas Energías: El modelo estándar y más allá Supported by the Spanish CICYT. At the Department of Theoretical Physics of the Universidad Autónoma de Madrid.	AEN97-1678

Event organisation

Member of the organiser committee of the following conferences:

- “Annual Theory Meeting”, IPPP, Durham, UK, 20-22 Dec. 2015.
- “2nd IBS-MultiDark Workshop on Dark Matter”, IFT-UAM/CSIC, Madrid, 23-27 Nov. 2015.
- “IBS-MultiDark Program on Dark Matter and Axions”, IBS, Daejeon, Korea, 9-22 Oct. 2014.
- “Why $m_H = 126$ GeV”, IFT-UAM/CSIC, Madrid, 25-27 Sep. 2013.
- “1st MultiDark Consolider Workshop”, IFT-UAM/CSIC, Madrid, 25-27 Ene. 2010.
- “XV Christmas Workshop”, IFT-UAM/CSIC, Madrid, 16 - 18 Dec. 2009.
- “miniWorkshop on Dark Matters”, IFT-UAM/CSIC, Madrid, 16 - 18 Sep. 2009.
- “International School on Astroparticle Physics 2008 (ISAPP 2008)”, Miraflores de la Sierra, Madrid, from 21st to July 1st, 2008.
- “SUSY05: International Conference on Supersymmetry and Unification of Fundamental Interactions”. 18 - 23 Jul. 2005. IPPP, Durham, UK.
- “pre-SUSY05 Workshop”. 29 Jun. - 15 Jul. 2005. IPPP, Durham, UK.

Organiser of discussion sessions in the following meetings

- “Discussion of the Science Working Group on Direct Detection” “2nd MultiDark Consolider Workshop”, IFCA, Santander, 28-30 Jun. 2010.
- “Discussion of the Science Working Group on Direct Detection” “1st MultiDark Consolider Workshop”, IFT-UAM/CSIC, Madrid, 25-27 Ene. 2010.
- “Dark Matter in the unconstrained MSSM, Split Supersymmetry, and the NMSSM” within the “ENTApP Visitors program”. 17 Jan. - 4 Feb. 2005. CERN, Geneva, and “Direct Detection of Dark Matter”, Feb. 2008. DESY Hamburg, Germany.

Member of the organising committee of the regular seminar programme at the IFT-UAM/CSIC, Madrid during the academic years 2006-2007, 2007-2008 and 2008-2009.

Member of the organising committee of the regular seminar programme at the IPPP, Durham University during the academic year 2005-2006.

Outreach

- Outreach coordinator of the Institute for Theoretical Physics since October 2009.
- Outreach coordinator of the MultiDark Consolider Project since December 2010.
- Member of the Outreach Committee for the Physics Degree of the Autonomous University of Madrid since June 2010.
- Member of the Outreach working group of the SuperCDMS Coll. since December 2012.

I have given over 30 public talks on various topics in Particle and Astroparticle Physics for a general audience. This includes seminars in Science and Arts Museums, contributions to multidisciplinary Masters programs, elaboration of material, etc.

I am the local organiser of activities for High School students (organiser of the "International Masterclass at the IFT in 2010, 2011, 2012 and 2013).

I also contributed with formative lectures (on elementary aspects of Particle Physics and Cosmology) for High School Teachers in 2011, 2012 and 2013.

Seminars

53 oral presentations in international conferences

Selected list of invited plenary talks:

- "Towards the Identification of Dark Matter". Rencontres de Blois 2015, Blois, France, **31 May -5 June. 2015**
- "Dark Matter Particle Candidates". TAUP 2013, Monterey, USA, **8-13 Sep. 2013**
- "Where is the New Physics II? - Review of latest non-LHC results". International Workshop on Future Linear Colliders, Arlington, USA, **21-26 Oct. 2012**
- "Dark Matter". XXXIX International Meeting on Fundamental Physics, LSC Canfranc, Spain, **8 Feb. 2011**
- "Direct detection of DM. Where do we go?". Dark Matter in the Sky and Underground, University of Zurich, Switzerland, **22-24 Sep. 2010**
- "LHC impact on Dark Matter searches". WONDER 2010 Workshop, INFN Gran Sasso National Laboratory (LNGS), Italy, **22 Mar. 2010**
- "Supersymmetric Dark Matter: Neutralinos and Sneutrinos". VII workshop on Science with the New Generation of High Energy Gamma-ray Experiments (SciNeGHE 2009). Assisi, Italy, **7 Oct. 2009**
- "Direct Detection and Identification of Dark Matter". International Symposium on Cosmology and Particle Astrophysics: CosPA 2008, Pohang, Korea, **1 Nov. 2008**
- "WIMPs: a brief bestiary". 4th Patras Workshop on Axions, WIMPs and WISPs, DESY Hamburg, Germany, **18 Jun. 2008**

31 invited seminars at universities and research centres

2015: IFAE (Spain); Swansea (UK); Nottingham (UK);

2014: Granada (Spain); Bonn (Germany);

2013: INFN Torino (Italy); GRAPPA Amsterdam (The Netherlands); DESY Hamburg (Germany), IFT (Spain)

2012: IFIC (Spain); ULB (Belgium); TMU (Munich)

2011: MPIK Heidelberg (Germany); RWTH Aachen (Germany); University of Minnesota (US); IFAE (Spain);

2009: TUM (Germany); IFIC (Spain).

2008: IAP (France); IFT-UAM (Spain); SNU (Korea); KIAS (Korea); KAIST (Korea).

2007: LPT, Orsay (France); CAB-INTA (Spain); IFT-UAM (Spain).

2006: University of Sussex (UK).

2005: Univ. of Oxford (UK); Centre for Particle Physics at Royal Holloway (UK).

2004: Univ. of Lancaster (UK); Univ. of Sheffield (UK); Univ. of Liverpool (UK).

2003: DESY Hamburg (Germany) (3 seminars); IPPP Durham (UK).

2002: Martin-Luther-Universität Halle-Wittenberg (Germany) (2 seminars).

Publications

I have published a total of **47** articles (plus 2 in process of publication) in international peer-reviewed journals of high impact factor: Phys. Rev. Lett. (6), Phys. Rev. D (13), Journal of High Energy Physics JHEP (13), Journal of Cosmology and Astroparticle Physics JCAP (10), App. Phys. Lett. (1), Nucl. Phys. B (2), Eur. Phys. J. C (1), Int. J. Mod. Phys. (1). These articles have received over 2500 citations.

References

Articles

- [1] WIMP-Search Results from the Second CDMSlite Run, [arXiv:1509.02448](#), [SuperCDMS Collaboration], R. Agnese, A. J. Anderson, et al.
- [2] Enhanced lines and box-shaped features in the gamma-ray spectrum from annihilating dark matter in the NMSSM, [arXiv:1507.08974](#), D. G. Cerdeno, M. Peiro, and S. Robles.
- [3] Improved WIMP-search reach of the CDMS II germanium data, Phys. Rev. D **92** (2015) 072003, [[arXiv:1504.05871](#)], R. Agnese, A. J. Anderson, M. Asai, et al.
- [4] Dark matter effective field theory scattering in direct detection experiments, Phys. Rev. D **91** (2015) 092004, [[arXiv:1503.03379](#)], K. Schneck, B. Cabrera, D. G. Cerdeño, et al.
- [5] Fits to the Fermi-LAT GeV excess with RH sneutrino dark matter: implications for direct and indirect dark matter searches and the LHC, Phys. Rev. D **91** (2015) 123530, [[arXiv:1501.01296](#)], D. G. Cerdeño, M. Peiró, and S. Robles.
- [6] Maximum Likelihood Analysis of Low Energy CDMS II Germanium Data, Phys. Rev. D **91** (2014) 052021, [[arXiv:1410.1003](#)], SuperCDMS Collaboration, R. Agnese, A. J. Anderson, et al.
- [7] First Direct Limits on Lightly Ionizing Particles with Electric Charge Less than $e/6$, Phys. Rev. Lett. **114** (2015) 111302, R. Agnese, A. Anderson, D. Balakishiyeva, et al.
- [8] Low-mass right-handed sneutrino dark matter: SuperCDMS and LUX constraints and the Galactic Centre gamma-ray excess, JCAP **08** (2014) 25, [[arXiv:1404.2572](#)], D. G. Cerdeño, M. Peiró, and S. Robles.
- [9] Scintillating bolometers: A key for determining WIMP parameters, Int. J. Mod. Phys. A **29** (2014) 1443009, D. G. Cerdeño, C. Marcos, M. Peiró, et al.
- [10] Search for low-mass weakly interacting massive particles with SuperCDMS, Phys. Rev. Lett. **112** (2014) 241302, [[arXiv:1402.7137](#)], [SuperCDMS Collaboration], R. Agnese, A. J. Anderson, et al.
- [11] Displaced vertices and long-lived charged particles in the NMSSM with right-handed sneutrinos, JHEP **5** (2014) 35, D. G. Cerdeño, V. Martín-Lozano, and O. Seto.
- [12] Search for low-mass weakly interacting massive particles using voltage-assisted calorimetric ionization detection in the SuperCDMS experiment, Phys. Rev. Lett. **112** (2014) 041302, [[arXiv:1309.3259](#)], [SuperCDMS Collaboration], R. Agnese, A. J. Anderson, et al.

- [13] Constraints on WIMP annihilation for contracted dark matter in the inner Galaxy with the Fermi -LAT, *JCAP* **10** (2013) 029–029, G. A. Gómez-Vargas, M. A. Sánchez-Conde, J.-H. Huh, et al.
- [14] Collider signatures of a light NMSSM pseudoscalar in neutralino decays in the light of LHC results, *JHEP* **2** (2014) 48, D. G. Cerdeño, P. Ghosh, C. B. Park, and M. Peiró.
- [15] Demonstration of surface electron rejection with interleaved germanium detectors for dark matter searches, *Appl. Phys. Lett.* **103** (2013) 164105, R. Agnese, A. J. Anderson, D. Balakishiyeva, et al.
- [16] Silicon Detector Dark Matter Results from the Final Exposure of CDMS II, *Phys. Rev. Lett.* **111** (2013) 251301, [SuperCDMS Collaboration], R. Agnese, Z. Ahmed, et al.
- [17] Silicon detector results from the first five-tower run of CDMS II, *Phys. Rev.* **D88** (2013) 031104, [SuperCDMS Collaboration], R. Agnese, and Others.
- [18] Complementarity of dark matter direct detection: the role of bolometric targets, *JCAP* **07** (2013) 028–028, [[arXiv:1304.1758](#)], D. G. Cerdeño, C. Cuesta, M. Fornasa, et al.
- [19] Probing the two light Higgs scenario in the NMSSM with a low-mass pseudoscalar, *JHEP* **6** (2013) 31, D. G. Cerdeño, P. Ghosh, and C. B. Park.
- [20] The NMSSM with F-theory unified boundary conditions, *JHEP* **2** (2013) 84, L. Aparicio, P. G. Cámara, D. G. Cerdeño, L. E. Ibáñez, and I. Valenzuela.
- [21] Nuclear uncertainties in the spin-dependent structure functions for direct dark matter detection, *Phys. Rev. D* **87** (2012) 023512, [[arXiv:1208.6426](#)], D. G. Cerdeño, M. Fornasa, J.-H. Huh, and M. Peiró.
- [22] A 119-125 GeV Higgs from a string derived slice of the CMSSM, *JHEP* **4** (2012) 126, L. Aparicio, D. G. Cerdeño, and L. E. Ibáñez.
- [23] Updated global fits of the cMSSM including the latest LHC SUSY and Higgs searches and XENON100 data, *JCAP* **03** (2012) 030–030, C. Stenge, G. Bertone, D. Cerdeño, et al.
- [24] Complementarity of indirect and accelerator dark matter searches, *Phys. Rev. D* **85** (2012) 055014, G. Bertone, D. Cerdeño, M. Fornasa, et al.
- [25] Cosmic-ray antiproton constraints on light singlino-like dark matter candidates, *Nucl. Phys. B* **854** (2012) 738–779, D. G. Cerdeño, T. Delahaye, and J. Lavalle.
- [26] Very light right-handed sneutrino dark matter in the NMSSM, *JCAP* **11** (2011) 027–027, [[arXiv:1108.0978](#)], D. G. Cerdeño, J.-H. Huh, M. Peiró, and O. Seto.
- [27] Global fits of the cMSSM including the first LHC and XENON100 data, *JCAP* **01** (2012) 015–015, G. Bertone, D. G. Cerdeño, M. Fornasa, et al.
- [28] Identification of dark matter particles with LHC and direct detection data, *Phys. Rev. D* **82** (2010) 055008, G. Bertone, D. G. Cerdeño, M. Fornasa, R. Ruiz de Austri, and R. Trotta.
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- [30] Calculable inverse-seesaw neutrino masses in supersymmetry, *Phys. Rev. D* **81** (2010) 051701, F. Bazzocchi, D. G. Cerdeño, C. Muñoz, and J. W. F. Valle.
- [31] Right-handed sneutrino dark matter in the NMSSM, *JCAP* **08** (2009) 032–032, [[arXiv:0809.3932](#)], D. G. Cerdeño and O. Seto.
- [32] Stau detection at neutrino telescopes in scenarios with supersymmetric dark matter, *JCAP* **04** (2009) 028–028, B. Cañadas, D. G. Cerdeño, C. Muñoz, and S. Panda.
- [33] Right-handed sneutrino as thermal dark matter, *Phys. Rev. D* **79** (2009) 023510, [[arXiv:0807.3029](#)], D. G. Cerdeño, C. Muñoz, and O. Seto.
- [34] Experimental constraints on a dark matter origin for the DAMA annual modulation effect, *Phys. Rev. Lett.* **101** (2008) 251301, [[arXiv:0807.0879](#)], C. E. Aalseth, P. S. Barbeau, D. G. Cerdeño, et al.
- [35] Modulus-dominated SUSY-breaking soft terms in F-theory and their test at LHC, *JHEP* **07** (2008) 099–099, L. Aparicio, D. Cerdeño, and L. Ibáñez.

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- [37] Identification of Weakly Interacting Massive Particles Through a Combined Measurement of Axial and Scalar Couplings, Phys. Rev. Lett. **99** (2007) 151301, G. Bertone, D. G. Cerdeño, J. I. Collar, and B. Odom.
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- [39] The minimal phantom sector of the standard model: Higgs phenomenology and Dirac leptogenesis, JHEP **09** (2006) 067–067, D. G. Cerdeño, A. Dedes, and T. E. Underwood.
- [40] Gravitino Dark Matter in the CMSSM With Improved Constraints from BBN, JCAP **06** (2005) 005–005, [[hep-ph/0509275](#)], D. G. Cerdeno, K.-Y. Choi, K. Jedamzik, L. Roszkowski, and R. R. de Austri.
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- [44] A note on effective $N = 1$ super-Yang-Mills theories versus lattice results, Eur. Phys. J. C **31** (2003) 415–420, D. G. Cerdeño, A. Knauf, and J. Louis.
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- [48] Determination of the string scale in D-brane scenarios and dark matter implications, Nucl. Phys. B **603** (2001) 231–258, D. Cerdeño, E. Gabrielli, S. Khalil, C. Muñoz, and E. Torrente-Lujan.
- [49] Phenomenology of nonstandard embedding and five-branes in M theory, Phys. Rev. D **61** (1999) 016001, D. G. Cerdeño and C. Muñoz.

Book Chapters

- [50] D. G. Cerdeño and A. M. Green, Direct detection of WIMPs, in Part. Dark Matter Obs. Model. Searches (G. Bertone, ed.), 347–369. Cambridge University Press, 2010. [arXiv:1002.1912](#).

Proceedings

- [51] SuperCDMS: Recent results on low-mass WIMPs, in Proc. "49th Rencontres Moriond Cosmol. (2014) 171–174. D. G. Cerdeño.
- [52] Sources and Detection of Dark Matter and Dark Energy in the Universe, Proceedings, 10th UCLA Symp. Sources Detect. Dark Matter Dark Energy Universe **148** (2013) 53–57, D. G. Cerdeño, J.-H. Huh, M. Peiró, and O. Seto.
- [53] SuperCDMS status from Soudan and plans for SNOLab, in AIP Conf. Proc., **1534** (2013) 129–135. J. Sander, Z. Ahmed, A. J. Anderson, et al.

- [54] Les Houches 2011: Physics at TeV Colliders New Physics Working Group Report, Proceedings, 7th Les Houches Work. Phys. TeV Colliders (2012) 221–463, [[arXiv:1203.1488](#)], G. Brooijmans, B. Gripaios, F. Moortgat, et al.
- [55] Detection and identification of dark matter, in Proc. "DSU2012 Dark Side Universe", Int. J. Mod. Phys. Conf. Ser., **01** (2012) 98, Búzios, Brazil. D. G. Cerdeño.
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- [58] Right-handed sneutrino WIMPs in the NMSSM, in Proc. "11th Int. Conf. Top. Astropart. Undergr. Physics, TAUP 2009", J. Phys. Conf. Ser., **203** (2010) 012048, Rome, Italy. D. G. Cerdeño.
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- [62] WIMPs: A brief bestiary, in Proc. "4th Patras Work. Axions WIMPs WISPs, PATRAS08", DESY-PROC-2008-02 (2008) 9–12, DESY Hamburg, Germany. D. G. Cerdeño.
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- [64] Neutralino dark matter in orbifold scenarios, in Proc. "DSU2006 Dark Side Universe", AIP Conference Proceedings, **878** (2006) 74–83, Madrid, Spain. D. G. Cerdeño.
- [65] Neutralino dark matter from string scenarios, in Proc. "Cairo Int. Conf. High Energy Phys. (CICHEP II)", AIP Conference Proceedings, **881** (2007) 183–192, Cairo, Egypt. D. G. Cerdeño.
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