
CONTACT INFORMATION	<p>Dan Hooper</p> <p>Fermi National Accelerator Laboratory Theoretical Astrophysics Department</p> <p>The University of Chicago Department of Astronomy & Astrophysics</p> <p>Phone: (708) 912-2784 Email: danhooper99@gmail.com</p>	
ACADEMIC POSITIONS	<p>Fermi National Accelerator Laboratory</p> <p>Senior Scientist July 2015 - Present</p> <p>Head, Theoretical Astrophysics Department Mar 2017 - May 2023</p> <p>Staff Scientist July 2011 - July 2015</p> <p>Associate Scientist April 2007 - July 2011</p> <p>David Schramm Fellow July 2005 - April 2007</p> <p>The University of Chicago</p> <p>Professor of Astronomy & Astrophysics Mar 2018 - Present</p> <p>Associate Professor of Astronomy & Astrophysics Feb 2012 - Mar 2018</p> <p>Assistant Professor of Astronomy & Astrophysics April 2008 - Feb 2012</p> <p>Oxford University</p> <p>Postdoctoral Research Fellow Aug 2003 - July 2005</p>	
EDUCATION	<p>PhD, Physics, The University of Wisconsin, Madison Mar 2003</p> <p>Faculty Advisor: Dr. Francis Halzen</p> <p>B.S., Physics, Minor in Mathematics, Saint Cloud State University May 1999</p>	

COURSES TAUGHT	The University of Chicago Particle Astrophysics (graduate) Fall 2022, Fall 2021 Cosmology II (graduate) Spring 2022 Philosophical Problems in Cosmology (undergrad.) Spring 2024, Fall 2020, Spring 2018 The Big Bang (undergraduate) Spring 2019, Spring 2023 High Energy Astrophysics (graduate) Winter 2017 Matter, Energy, Space and Time (undergraduate) Fall 2015 The Origin of the Universe & How We Know (undergraduate) Spring 2015 Stellar Astronomy & Astrophysics (undergraduate) Winter 2014, Winter 2011 Cosmology I (graduate) Fall 2013, Spring 2012 The Origin and Evolution of the Universe (undergraduate) Spring 2013
GRADUATE STUDENTS SUPERVISED	The University of Chicago Ian Holst Current Emily Simon Current Rayne Liu Current Fei Xu PhD, 2024 Celeste Keith PhD, 2023 Olivia Bitter PSD Masters, 2021 Carlos Blanco PhD, 2019 Asher Berlin PhD, 2016 Christopher Kelso PhD, 2012 Alexander Belikov PhD, 2011
BOOKS AUTHORED	Particle Cosmology and Astrophysics , Graduate-Level Textbook Princeton University Press, 2024 At the Edge of Time: Exploring the Mysteries of our Universe's First Seconds Princeton University Press, 2019 Nature's Blueprint: Supersymmetry and the Search for a Unified Theory of Matter and Force Harper-Collins/Smithsonian, 2008 Dark Cosmos: In Search of our Universe's Missing Mass and Energy Harper-Collins/Smithsonian, 2006
OTHER MAJOR EFFORTS IN EDUCATION, OUTREACH	Podcast: Why This Universe? Co-Host and Co-Creator 71 Episodes and over 1,600,000 downloads (as of October 2023) What Einstein Got Wrong Lecture Series for The Great Courses/Wondrium, 2017

PROFESSIONAL SERVICE AND AWARDS

- Division Associate Editor, Physical Review Letters, 2020-Present
- Frequent referee for many academic journals
- Head of the International Advisory Committee for the TeV Particle Astrophysics annual conference series, 2020-Present
- Elected Fellow of the American Physical Society, 2017

MAJOR CONFERENCES ORGANIZED

- TeV Particle Astrophysics (University of Chicago, 2024)
- Next-Generation Gamma-Ray Searches for Dark Matter (University of Chicago, 2023)
- Topics in Cosmic Neutrino Physics (Fermilab, 2019)
- Identification of Dark Matter (Chicago, 2012)

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- PUBLICATION STATISTICS According to the **inSPIREHEP** database (as of Nov 2023):
- 258 articles
 - Over 25,200 total citations
 - *h*-index: 73
- PUBLICATIONS
261. D. Hooper, E. Pinetti and A. Sokolenko, *Searching for Synchrotron Emission from the Geminga TeV Halo using the Planck Satellite*, [arXiv:2405.06739 [astro-ph.HE]].
 260. I. Holst and D. Hooper, *A New Determination of the Millisecond Pulsar Gamma-Ray Luminosity Function and Implications for the Galactic Center Gamma-Ray Excess*, [arXiv:2403.00978 [astro-ph.HE]].
 259. D. Hooper, E. Pinetti and A. Sokolenko, *Unraveling TeV Halos with the Cherenkov Telescope Array*, [arXiv:2312.10232 [astro-ph.HE]].
 258. F. Xu and D. Hooper, *The Dark Matter Discovery Potential of the Advanced Particle-Astrophysics Telescope (APT)*, [arXiv:2308.15538 [astro-ph.HE]].
 257. D. Hooper, A. Ireland, G. Krnjaic and A. Stebbins, *Supermassive Primordial Black Holes From Inflation*, JCAP **04** (2024), 021 [arXiv:2308.00756 [astro-ph.CO]].
 256. C. Blanco, D. Hooper, T. Linden and E. Pinetti, *On the Neutrino and Gamma-Ray Emission from NGC 1068*, [arXiv:2307.03259 [astro-ph.HE]].
 255. D. Hooper and H. Xiao, *Dark matter is the new BBN*, Phys. Dark Univ. **42**, 101353 (2023), [arXiv:2306.07339 [hep-ph]].
 254. A. Dekker, I. Holst, D. Hooper, G. Leone, E. Simon and H. Xiao, *Diffuse Ultra-High-Energy Gamma-Ray Emission From TeV Halos*, Phys. Rev. D **109** (2024) no.8, 083026 [arXiv:2306.00051 [astro-ph.HE]].
 253. D. Hooper and K. Plant, *A Leptonic Model for Neutrino Emission From Active Galactic Nuclei*, Phys. Rev. Lett. **131** (2023) no.23, 231001 [arXiv:2305.06375 [astro-ph.HE]].
 252. I. Holst, D. Hooper, G. Krnjaic and D. Song, *Twin Sterile Neutrino Dark Matter*, Phys. Rev. D **109** (2024) no.6, 063514 [arXiv:2305.06364 [hep-ph]].
 251. D. Hooper, J. Iguaz Juan and P. D. Serpico, *Signals of a new gauge boson from IceCube and the muon $g-2$* , Phys. Rev. D **108** (2023) no.2, 023007 Phys. Rev. D **108**, no.2, 023007 (2023), [arXiv:2302.03571 [astro-ph.HE]].
 250. A. J. Evans, L. E. Strigari, O. Svenborn, A. Albert, J. P. Harding, D. Hooper, T. Linden and A. B. Pace, *On the gamma-ray emission from the core of the Sagittarius dwarf galaxy*, Mon. Not. Roy. Astron. Soc. **524**, no.3, 4574-4585 (2023), [arXiv:2212.08194 [astro-ph.HE]].
 249. C. Keith, D. Hooper and T. Linden, *Cherenkov Telescope Array will test whether pulsars generate the Galactic Center gamma-ray excess*, Phys. Rev. D **107**, no.10, 103001 (2023), [arXiv:2212.08080 [astro-ph.HE]].
 248. D. Hooper, A. Ireland and G. Krnjaic, *Cosmological Magnetic Fields From Primordial Kerr-Newman Black Holes*, Phys. Rev. D **107**, no.10, 103524 (2023), [arXiv:2206.04066 [astro-ph.CO]].
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247. O. M. Bitter and D. Hooper, *Constraining the Milky Way's Pulsar Population with the Cosmic-Ray Positron Fraction*, JCAP **10**, 081 (2022), [arXiv:2205.05200 [astro-ph.HE]].
246. C. Keith, D. Hooper, T. Linden and R. Liu, *Sensitivity of Future Gamma-Ray Telescopes to Primordial Black Holes*, Phys. Rev. D **106**, no.4, 043003 (2022), [arXiv:2204.05337 [astro-ph.HE]].
245. R. K. Leane, S. Shin, L. Yang, G. Adhikari, H. Alhazmi, T. Aramaki, D. Baxter, F. Calore, R. Caputo and I. Cholis, *et al. Snowmass 2021 Cosmic Frontier White Paper: Puzzling Excesses in Dark Matter Searches and How to Resolve Them*, [arXiv:2203.06859 [hep-ph]].
244. J. Aalbers, K. Abe, V. Aerne, F. Agostini, S. A. Maouloud, D. S. Akerib, D. Y. Akimov, J. Akshat, A. K. A. Musalhi and F. Alder, *et al. A Next-Generation Liquid Xenon Observatory for Dark Matter and Neutrino Physics*, [arXiv:2203.02309 [physics.ins-det]].
243. F. Xu and D. Hooper, *Contribution From TeV halos to the Isotropic Gamma-Ray Background*, Phys. Rev. D **106**, no.2, 023005 (2022), [arXiv:2111.03646 [astro-ph.HE]].
242. I. Holst, D. Hooper and G. Krnjaic, *Simplest and Most Predictive Model of Muon $g-2$ and Thermal Dark Matter*, Phys. Rev. Lett. **128**, no.14, 141802 (2022), [arXiv:2107.09067 [hep-ph]].
241. D. Curtin, S. Gryba, D. Hooper, J. Scholtz and J. Setford, *Resurrecting the Fraternal Twin WIMP Miracle*, Phys. Rev. D **105**, no.3, 035033 (2022), [arXiv:2106.12578 [hep-ph]].
240. L. A. Anchordoqui, C. Bérat, M. E. Bertaina, A. Castellina, O. Deligny, R. Engel, G. R. Farrar, P. L. Ghia, D. Hooper and O. Kalashev, *et al. Hunting Superheavy Dark Matter with Ultra-high Energy Photons*, Astropart. Phys. **132**, 102614 (2021), [arXiv:2105.12895 [hep-ph]].
239. D. Hooper and T. Linden, *Evidence of TeV Halos Around Millisecond Pulsars*, Phys. Rev. D **105**, no.10, 103013 (2022), [arXiv:2104.00014 [astro-ph.HE]].
238. C. Keith and D. Hooper, *511 keV Excess and Primordial Black Holes*, Phys. Rev. D **104**, no.6, 063033 (2021), [arXiv:2103.08611 [astro-ph.CO]].
237. T. Sudoh, T. Linden and D. Hooper, *The Highest Energy HAWC Sources are Likely Leptonic and Powered by Pulsars*, JCAP **08**, 010 (2021), [arXiv:2101.11026 [astro-ph.HE]].
236. D. Hooper and G. Krnjaic, *GUT Baryogenesis With Primordial Black Holes*, Phys. Rev. D **103**, no.4, 043504 (2021), [arXiv:2010.01134 [hep-ph]].
235. D. Smith, D. Hooper and A. Vieregg, *Revisiting AGN as the Source of IceCube's Diffuse Neutrino Flux*, JCAP **03**, 031 (2021), [arXiv:2007.12706 [astro-ph.HE]].
234. I. Cholis, D. Hooper and T. Linden, *Constraining the Charge-Sign and Rigidity-Dependence of Solar Modulation*, [arXiv:2007.00669 [astro-ph.HE]].

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233. R. Allahverdi, M. A. Amin, A. Berlin, N. Bernal, C. T. Byrnes, M. Sten Delos, A. L. Erickcek, M. Escudero, D. G. Figueroa and K. Freese, *et al.* *The First Three Seconds: a Review of Possible Expansion Histories of the Early Universe*, [arXiv:2006.16182 [astro-ph.CO]].
232. C. Keith, D. Hooper, N. Blinov and S. D. McDermott, *Constraints on Primordial Black Holes From Big Bang Nucleosynthesis Revisited*, Phys. Rev. D **102**, no.10, 103512 (2020), [arXiv:2006.03608 [astro-ph.CO]].
231. N. Blinov, C. Keith and D. Hooper, *Warm Decaying Dark Matter and the Hubble Tension*, JCAP **06**, 005 (2020), [arXiv:2004.06114 [astro-ph.CO]].
230. D. Hooper, G. Krnjaic, J. March-Russell, S. D. McDermott and R. Petrossian-Byrne, *Hot Gravitons and Gravitational Waves From Kerr Black Holes in the Early Universe*, [arXiv:2004.00618 [astro-ph.CO]].
229. I. Cholis, T. Linden and D. Hooper, *Antideuterons and Antihelium Nuclei From Annihilating Dark Matter*, Phys. Rev. D **102**, no.10, 103019 (2020), [arXiv:2001.08749 [astro-ph.HE]].
228. D. Hooper, R. K. Leane, Y. D. Tsai, S. Wegsman and S. J. Witte, *A Systematic Study of Hidden Sector Dark Matter: Application to the Gamma-Ray and Antiproton Excesses*, JHEP **07**, no.07, 163 (2020), [arXiv:1912.08821 [hep-ph]].
227. C. Blanco, M. Escudero, D. Hooper and S. J. Witte, *'Z' Mediated WIMPs: Dead, Dying, or Soon to be Detected?*, JCAP **11**, 024 (2019), [arXiv:1907.05893 [hep-ph]].
226. C. Blanco, M. S. Delos, A. L. Erickcek and D. Hooper, *Annihilation Signatures of Hidden Sector Dark Matter Within Early-Forming Microhalos*, Phys. Rev. D **100**, no.10, 103010 (2019), [arXiv:1906.00010 [astro-ph.CO]].
225. D. Hooper, G. Krnjaic and S. D. McDermott, *Dark Radiation and Superheavy Dark Matter From Black Hole Domination*, JHEP **08**, 001 (2019), [arXiv:1905.01301 [hep-ph]].
224. D. Hooper, S. Wegsman, C. Deaconu and A. Viereg, *Superheavy Dark Matter and ANITA's Anomalous Events*, Phys. Rev. D **100**, no.4, 043019 (2019), [arXiv:1904.12865 [astro-ph.HE]].
223. I. Cholis, T. Linden and D. Hooper, *A Robust Excess in the Cosmic-Ray Antiproton Spectrum: Implications for Annihilating Dark Matter*, Phys. Rev. D **99**, no.10, 103026 (2019), [arXiv:1903.02549 [astro-ph.HE]].
222. C. Blanco, D. Hooper and P. Machado, *Constraining Sterile Neutrino Interpretations of the LSND and MiniBooNE Anomalies with Coherent Neutrino Scattering Experiments*, Phys. Rev. D **101**, no.7, 075051 (2020), [arXiv:1901.08094 [hep-ph]].
221. M. Escudero, D. Hooper, G. Krnjaic and M. Pierre, *Cosmology with A Very Light $L_\mu - L_\tau$ Gauge Boson*, JHEP **03**, 071 (2019), [arXiv:1901.02010 [hep-ph]].
220. D. Hooper, *TASI Lectures on Indirect Searches For Dark Matter*, PoS **TASI2018**, 010 (2019), [arXiv:1812.02029 [hep-ph]].
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219. C. Blanco and D. Hooper, *Constraints on Decaying Dark Matter From the Isotropic Gamma-Ray Background*, JCAP **03**, 019 (2019), [arXiv:1811.05988 [astro-ph.HE]].
218. D. Hooper, T. Linden and A. Vieregge, *Active Galactic Nuclei and the Origin of IceCube's Diffuse Neutrino Flux*, JCAP **02**, 012 (2019), [arXiv:1810.02823 [astro-ph.HE]].
217. D. Hooper, G. Krnjaic, A. J. Long and S. D. McDermott, *Can the Inflaton Also Be a Weakly Interacting Massive Particle?*, Phys. Rev. Lett. **122**, no.9, 091802 (2019), [arXiv:1807.03308 [hep-ph]].
216. D. Hooper, *Life Versus Dark Energy: How An Advanced Civilization Could Resist the Accelerating Expansion of the Universe*, Phys. Dark Univ. **22**, 74-79 (2018), [arXiv:1806.05203 [astro-ph.CO]].
215. D. Hooper and T. Linden, *Millisecond Pulsars, TeV Halos, and Implications For The Galactic Center Gamma-Ray Excess*, Phys. Rev. D **98**, no.4, 043005 (2018), [arXiv:1803.08046 [astro-ph.HE]].
214. A. Berlin, D. Hooper, G. Krnjaic and S. D. McDermott, *Severely Constraining Dark Matter Interpretations of the 21-cm Anomaly*, Phys. Rev. Lett. **121**, no.1, 011102 (2018), [arXiv:1803.02804 [hep-ph]].
213. D. Hooper and S. D. McDermott, *Robust Constraints and Novel Gamma-Ray Signatures of Dark Matter That Interacts Strongly With Nucleons*, Phys. Rev. D **97**, no.11, 115006 (2018), [arXiv:1802.03025 [hep-ph]].
212. C. Blanco, J. P. Harding and D. Hooper, *Novel Gamma-Ray Signatures of PeV-Scale Dark Matter*, JCAP **04**, 060 (2018), [arXiv:1712.02805 [hep-ph]].
211. D. Hooper and T. Linden, *Measuring the Local Diffusion Coefficient with H.E.S.S. Observations of Very High-Energy Electrons*, Phys. Rev. D **98**, no.8, 083009 (2018), [arXiv:1711.07482 [astro-ph.HE]].
210. R. Bartels, D. Hooper, T. Linden, S. Mishra-Sharma, N. L. Rodd, B. R. Safdi and T. R. Slatyer, *Comment on "Characterizing the Population of Pulsars in the Galactic Bulge with the Fermi Large Area Telescope" [arXiv:1705.00009v1]*, Phys. Dark Univ. **20**, 88-94 (2018), [arXiv:1710.10266 [astro-ph.HE]].
209. T. L. Chou, D. Tanoglidis and D. Hooper, *Resolving Dark Matter Subhalos With Future Sub-GeV Gamma-Ray Telescopes*, Phys. Dark Univ. **21**, 1-7 (2018), [arXiv:1709.08562 [hep-ph]].
208. M. Escudero, S. J. Witte and D. Hooper, *Hidden Sector Dark Matter and the Galactic Center Gamma-Ray Excess: A Closer Look*, JCAP **11**, 042 (2017), [arXiv:1709.07002 [hep-ph]].
207. C. Blanco and D. Hooper, *High-Energy Gamma Rays and Neutrinos From Nearby Radio Galaxies*, JCAP **12**, 017 (2017), [arXiv:1706.07047 [astro-ph.HE]].
206. D. Hooper, I. Cholis and T. Linden, *TeV Gamma Rays From Galactic Center Pulsars*, Phys. Dark Univ. **21**, 40-46 (2018), [arXiv:1705.09293 [astro-ph.HE]].

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205. T. Linden, K. Auchettl, J. Bramante, I. Cholis, K. Fang, D. Hooper, T. Karwal and S. W. Li, *Using HAWC to Discover Invisible Pulsars*, Phys. Rev. D **96**, no.10, 103016 (2017), [arXiv:1703.09704 [astro-ph.HE]].
204. D. Hooper, I. Cholis, T. Linden and K. Fang, *HAWC Observations Strongly Favor Pulsar Interpretations of the Cosmic-Ray Positron Excess*, Phys. Rev. D **96**, no.10, 103013 (2017), [arXiv:1702.08436 [astro-ph.HE]].
203. I. Cholis, D. Hooper and T. Linden, *Possible Evidence for the Stochastic Acceleration of Secondary Antiprotons by Supernova Remnants*, Phys. Rev. D **95**, no.12, 123007 (2017), [arXiv:1701.04406 [astro-ph.HE]].
202. D. Haggard, C. Heinke, D. Hooper and T. Linden, *Low Mass X-Ray Binaries in the Inner Galaxy: Implications for Millisecond Pulsars and the GeV Excess*, JCAP **05**, 056 (2017), [arXiv:1701.02726 [astro-ph.HE]].
201. M. Escudero, D. Hooper and S. J. Witte, *Updated Collider and Direct Detection Constraints on Dark Matter Models for the Galactic Center Gamma-Ray Excess*, JCAP **02**, 038 (2017), [arXiv:1612.06462 [hep-ph]].
200. D. Hooper and S. J. Witte, *Gamma Rays From Dark Matter Subhalos Revisited: Refining the Predictions and Constraints*, JCAP **04**, 018 (2017), [arXiv:1610.07587 [astro-ph.HE]].
199. A. Berlin and D. Hooper, *Axion-Assisted Production of Sterile Neutrino Dark Matter*, Phys. Rev. D **95**, no.7, 075017 (2017), [arXiv:1610.03849 [hep-ph]].
198. M. Escudero, A. Berlin, D. Hooper and M. X. Lin, *Toward (Finally!) Ruling Out Z and Higgs Mediated Dark Matter Models*, JCAP **12**, 029 (2016), [arXiv:1609.09079 [hep-ph]].
197. A. Berlin, D. Hooper and G. Krnjaic, *Thermal Dark Matter From A Highly Decoupled Sector*, Phys. Rev. D **94**, no.9, 095019 (2016), [arXiv:1609.02555 [hep-ph]].
196. D. Hooper, *The Density of Dark Matter in the Galactic Bulge and Implications for Indirect Detection*, Phys. Dark Univ. **15**, 53-56 (2017), [arXiv:1608.00003 [astro-ph.HE]].
195. D. Hooper and T. Linden, *The Gamma-Ray Pulsar Population of Globular Clusters: Implications for the GeV Excess*, JCAP **08**, 018 (2016), [arXiv:1606.09250 [astro-ph.HE]].
194. D. Hooper, *A Case for Radio Galaxies as the Sources of IceCube's Astrophysical Neutrino Flux*, JCAP **09**, 002 (2016), [arXiv:1605.06504 [astro-ph.HE]].
193. G. Bertone and D. Hooper, *History of Dark Matter*, Rev. Mod. Phys. **90**, no.4, 045002 (2018), [arXiv:1605.04909 [astro-ph.CO]].
192. D. Hooper, T. Linden and A. Lopez, *Radio Galaxies Dominate the High-Energy Diffuse Gamma-Ray Background*, JCAP **08**, 019 (2016), [arXiv:1604.08505 [astro-ph.HE]].
191. A. Berlin, P. J. Fox, D. Hooper and G. Mohlabeng, *Mixed Dark Matter in Left-Right Symmetric Models*, JCAP **06**, 016 (2016), [arXiv:1604.06100 [hep-ph]].
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190. A. Berlin, D. Hooper and G. Krnjaic, *PeV-Scale Dark Matter as a Thermal Relic of a Decoupled Sector*, Phys. Lett. B **760**, 106-111 (2016), [arXiv:1602.08490 [hep-ph]].
189. B. Bertoni, D. Hooper and T. Linden, *Is The Gamma-Ray Source 3FGL J2212.5+0703 A Dark Matter Subhalo?*, JCAP **05**, 049 (2016), [arXiv:1602.07303 [astro-ph.HE]].
188. D. Hooper and G. Mohlabeng, *The Gamma-Ray Luminosity Function of Millisecond Pulsars and Implications for the GeV Excess*, JCAP **03**, 049 (2016), [arXiv:1512.04966 [astro-ph.HE]].
187. A. A. Kaurov, D. Hooper and N. Y. Gnedin, *The Effects of Dark Matter Annihilation on Cosmic Reionization*, Astrophys. J. **833**, no.2, 162 (2016), [arXiv:1512.00526 [astro-ph.CO]].
186. I. Cholis, D. Hooper and T. Linden, *A Predictive Analytic Model for the Solar Modulation of Cosmic Rays*, Phys. Rev. D **93**, no.4, 043016 (2016), [arXiv:1511.01507 [astro-ph.SR]].
185. A. Berlin, D. Hooper and S. D. McDermott, *Dark matter Elastic Scattering Through Higgs Loops*, Phys. Rev. D **92**, no.12, 123531 (2015), [arXiv:1508.05390 [hep-ph]].
184. H. Davoudiasl, D. Hooper and S. D. McDermott, *Inflatable Dark Matter*, Phys. Rev. Lett. **116**, no.3, 031303 (2016), [arXiv:1507.08660 [hep-ph]].
183. A. DiFranzo and D. Hooper, *Searching for MeV-Scale Gauge Bosons with IceCube*, Phys. Rev. D **92**, no.9, 095007 (2015), [arXiv:1507.03015 [hep-ph]].
182. I. Cholis, C. Evoli, F. Calore, T. Linden, C. Weniger and D. Hooper, *The Galactic Center GeV Excess From a Series of Leptonic Cosmic-Ray Outbursts*, JCAP **12**, 005 (2015), [arXiv:1506.05119 [astro-ph.HE]].
181. A. M. Taylor, M. Ahlers and D. Hooper, *Indications of Negative Evolution for the Sources of the Highest Energy Cosmic Rays*, Phys. Rev. D **92**, no.6, 063011 (2015), [arXiv:1505.06090 [astro-ph.HE]].
180. B. Bertoni, D. Hooper and T. Linden, *Examining The Fermi-LAT Third Source Catalog In Search Of Dark Matter Subhalos*, JCAP **12**, 035 (2015), [arXiv:1504.02087 [astro-ph.HE]].
179. D. Hooper and T. Linden, *On The Gamma-Ray Emission From Reticulum II and Other Dwarf Galaxies*, JCAP **09**, 016 (2015), [arXiv:1503.06209 [astro-ph.HE]].
178. A. Berlin, A. DiFranzo and D. Hooper, *3.55 keV Line From Exciting Dark Matter Without a Hidden Sector*, Phys. Rev. D **91**, no.7, 075018 (2015), [arXiv:1501.03496 [hep-ph]].
177. D. Hooper, *Z' Mediated Dark Matter Models for the Galactic Center Gamma-Ray Excess*, Phys. Rev. D **91**, 035025 (2015), [arXiv:1411.4079 [hep-ph]].
176. D. Hooper, T. Linden and P. Mertsch, *What Does The PAMELA Antiproton Spectrum Tell Us About Dark Matter?*, JCAP **03**, 021 (2015), [arXiv:1410.1527 [astro-ph.HE]].
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175. E. Carlson, D. Hooper and T. Linden, *Improving the Sensitivity of Gamma-Ray Telescopes to Dark Matter Annihilation in Dwarf Spheroidal Galaxies*, Phys. Rev. D **91**, no.6, 061302 (2015), [arXiv:1409.1572 [astro-ph.HE]].
174. I. Cholis, D. Hooper and T. Linden, *A Critical Reevaluation of Radio Constraints on Annihilating Dark Matter*, Phys. Rev. D **91**, no.8, 083507 (2015), [arXiv:1408.6224 [astro-ph.HE]].
173. I. Cholis, D. Hooper and T. Linden, *A New Determination of the Spectra and Luminosity Function of Gamma-Ray Millisecond Pulsars*, [arXiv:1407.5583 [astro-ph.HE]].
172. I. Cholis, D. Hooper and T. Linden, *Challenges in Explaining the Galactic Center Gamma-Ray Excess with Millisecond Pulsars*, JCAP **06**, 043 (2015), [arXiv:1407.5625 [astro-ph.HE]].
171. A. Berlin, P. Gratia, D. Hooper and S. D. McDermott, *Hidden Sector Dark Matter Models for the Galactic Center Gamma-Ray Excess*, Phys. Rev. D **90**, no.1, 015032 (2014), [arXiv:1405.5204 [hep-ph]].
170. P. Agrawal, B. Batell, D. Hooper and T. Lin, *Flavored Dark Matter and the Galactic Center Gamma-Ray Excess*, Phys. Rev. D **90**, no.6, 063512 (2014), [arXiv:1404.1373 [hep-ph]].
169. A. Berlin, D. Hooper and S. D. McDermott, *Simplified Dark Matter Models for the Galactic Center Gamma-Ray Excess*, Phys. Rev. D **89**, no.11, 115022 (2014), [arXiv:1404.0022 [hep-ph]].
168. T. Daylan, D. P. Finkbeiner, D. Hooper, T. Linden, S. K. N. Portillo, N. L. Rodd and T. R. Slatyer, *The Characterization of the Gamma-Ray Signal From the Central Milky Way: A Case for Annihilating Dark Matter*, Phys. Dark Univ. **12**, 1-23 (2016), [arXiv:1402.6703 [astro-ph.HE]].
167. J. L. Feng, S. Ritz, J. J. Beatty, J. Buckley, D. F. Cowen, P. Cushman, S. Dodelson, C. Galbiati, K. Honscheid and D. Hooper, *et al.*, *Planning the Future of U.S. Particle Physics (Snowmass 2013): Chapter 4: Cosmic Frontier*, [arXiv:1401.6085 [hep-ex]].
166. L. A. Anchordoqui, V. Barger, I. Cholis, H. Goldberg, D. Hooper, A. Kusenko, J. G. Learned, D. Marfatia, S. Pakvasa and T. C. Paul, *et al.*, *Cosmic Neutrino Pevatrons: A Brand New Pathway to Astronomy, Astrophysics, and Particle Physics*, JHEAp **1-2**, 1-30 (2014), [arXiv:1312.6587 [astro-ph.HE]].
165. I. Cholis and D. Hooper, *Constraining the Origin of the Rising Cosmic Ray Positron Fraction with the Boron-to-Carbon Ratio*, Phys. Rev. D **89**, no.4, 043013 (2014), [arXiv:1312.2952 [astro-ph.HE]].
164. I. Cholis, D. Hooper and S. D. McDermott, *Dissecting the Gamma-Ray Background in Search of Dark Matter*, JCAP **02**, 014 (2014), [arXiv:1312.0608 [astro-ph.CO]].
163. S. Arrenberg, H. Baer, V. Barger, L. Baudis, D. Bauer, J. Buckley, M. Cahill-Rowley, R. Cotta, A. Drlica-Wagner and J. L. Feng, *et al.*, *Snowmass Working Group Report: Dark Matter Complementarity*, [arXiv:1310.8621 [hep-ph]].
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162. C. He, K. Bechtol, A. P. Hearin and D. Hooper, *Prospects for Detecting Gamma Rays From Annihilating Dark Matter in Dwarf Galaxies in the Era of the Dark Energy Survey and Large Synoptic Survey Telescope*, Phys. Rev. D **91**, no.6, 063515 (2015), [arXiv:1309.4780 [astro-ph.HE]].
161. A. Berlin and D. Hooper, *Stringent Constraints on the Dark Matter Annihilation Cross Section From Subhalo Searches with the Fermi Gamma-Ray Space Telescope*, Phys. Rev. D **89**, no.1, 016014 (2014), [arXiv:1309.0525 [hep-ph]].
160. M. R. Buckley, D. Hooper and J. Kumar, *Phenomenology of Dirac Neutralino Dark Matter*, Phys. Rev. D **88**, 063532 (2013), [arXiv:1307.3561 [hep-ph]].
159. D. Hooper, *Is the CMB Telling Us that Dark Matter is Weaker than Weakly Interacting?*, Phys. Rev. D **88**, 083519 (2013), [arXiv:1307.0826 [hep-ph]].
158. L. Bergstrom, T. Bringmann, I. Cholis, D. Hooper and C. Weniger, *New Limits on Dark Matter Annihilation From AMS Cosmic Ray Positron Data*, Phys. Rev. Lett. **111**, 171101 (2013), [arXiv:1306.3983 [astro-ph.HE]].
157. D. Hooper, *Revisiting XENON100's Constraints (and Signals?) For Low-Mass Dark Matter*, JCAP **09**, 035 (2013), [arXiv:1306.1790 [hep-ph]].
156. D. Bauer *et al.* [Snowmass 2013 Cosmic Frontier Working Groups 1–4], *Dark Matter in the Coming Decade: Complementary Paths to Discovery and Beyond*, Phys. Dark Univ. **7-8**, 16-23 (2015), [arXiv:1305.1605 [hep-ph]].
155. D. Hooper, I. Cholis, T. Linden, J. Siegal-Gaskins and T. Slatyer, *Pulsars Cannot Account for the Inner Galaxy's GeV Excess*, Phys. Rev. D **88**, 083009 (2013), [arXiv:1305.0830 [astro-ph.HE]].
154. D. Hooper, C. Kelso, P. Sandick and W. Xue, *Closing Supersymmetric Resonance Regions With Direct Detection Experiments*, Phys. Rev. D **88**, no.1, 015010 (2013), [arXiv:1304.2417 [hep-ph]].
153. I. Cholis and D. Hooper, *Dark Matter and Pulsar Origins of the Rising Cosmic Ray Positron Fraction in Light of New Data From AMS*, Phys. Rev. D **88**, 023013 (2013), [arXiv:1304.1840 [astro-ph.HE]].
152. D. Hooper and T. R. Slatyer, *Two Emission Mechanisms in the Fermi Bubbles: A Possible Signal of Annihilating Dark Matter*, Phys. Dark Univ. **2**, 118-138 (2013), [arXiv:1302.6589 [astro-ph.HE]].
151. E. Carlson, D. Hooper, T. Linden and S. Profumo, *Testing the Dark Matter Origin of the WMAP-Planck Haze with Radio Observations of Spiral Galaxies*, JCAP **07**, 026 (2013), [arXiv:1212.5747 [astro-ph.CO]].
150. I. Cholis and D. Hooper, *On The Origin of IceCube's PeV Neutrinos*, JCAP **06**, 030 (2013), [arXiv:1211.1974 [astro-ph.HE]].
149. D. Hooper and W. Xue, *Possibility of Testing the Light Dark Matter Hypothesis with the Alpha Magnetic Spectrometer*, Phys. Rev. Lett. **110**, no.4, 041302 (2013), [arXiv:1210.1220 [astro-ph.HE]].
-

-
148. D. Hooper, C. Kelso and F. S. Queiroz, *Stringent and Robust Constraints on the Dark Matter Annihilation Cross Section From the Region of the Galactic Center*, *Astropart. Phys.* **46**, 55-70 (2013), [arXiv:1209.3015 [astro-ph.HE]].
147. A. M. Brooks, M. Kuhlen, A. Zolotov and D. Hooper, *A Baryonic Solution to the Missing Satellites Problem*, *Astrophys. J.* **765**, 22 (2013), [arXiv:1209.5394 [astro-ph.CO]].
146. D. Hooper and T. Linden, *Are Lines From Unassociated Gamma-Ray Sources Evidence For Dark Matter Annihilation?*, *Phys. Rev. D* **86**, 083532 (2012), [arXiv:1208.0828 [astro-ph.HE]].
145. M. R. Buckley and D. Hooper, *Are There Hints of Light Stops in Recent Higgs Search Results?*, *Phys. Rev. D* **86**, 075008 (2012), [arXiv:1207.1445 [hep-ph]].
144. D. Hooper, N. Weiner and W. Xue, *Dark Forces and Light Dark Matter*, *Phys. Rev. D* **86**, 056009 (2012), [arXiv:1206.2929 [hep-ph]].
143. R. Feldmann, D. Hooper and N. Y. Gnedin, *Circum-Galactic Gas and the Isotropic Gamma Ray Background*, *Astrophys. J.* **763**, 21 (2013), [arXiv:1205.0249 [astro-ph.HE]].
142. M. R. Buckley and D. Hooper, *Implications of a 130 GeV Gamma-Ray Line for Dark Matter*, *Phys. Rev. D* **86**, 043524 (2012), [arXiv:1205.6811 [hep-ph]].
141. D. Hooper, A. V. Belikov, T. E. Jeltema, T. Linden, S. Profumo and T. R. Slatyer, *The Isotropic Radio Background and Annihilating Dark Matter*, *Phys. Rev. D* **86**, 103003 (2012), [arXiv:1203.3547 [astro-ph.CO]].
140. D. Hooper, *The Empirical Case For 10 GeV Dark Matter*, *Phys. Dark Univ.* **1**, 1-23 (2012), [arXiv:1201.1303 [astro-ph.CO]].
139. T. M. P. Tait and D. Hooper, *Theories of Particle Dark Matter*, *Comptes Rendus Physique* **13**, 719-723 (2012).
138. A. V. Belikov, D. Hooper and M. R. Buckley, *Searching For Dark Matter Subhalos In the Fermi-LAT Second Source Catalog*, *Phys. Rev. D* **86**, 043504 (2012), [arXiv:1111.2613 [hep-ph]].
137. D. Hooper, F. S. Queiroz and N. Y. Gnedin, *Non-Thermal Dark Matter Mimicking An Additional Neutrino Species In The Early Universe*, *Phys. Rev. D* **85**, 063513 (2012), [arXiv:1111.6599 [astro-ph.CO]].
136. D. Hooper and T. Linden, *On The Origin Of The Gamma Rays From The Galactic Center*, *Phys. Rev. D* **84**, 123005 (2011), [arXiv:1110.0006 [astro-ph.HE]].
135. C. Kelso, D. Hooper and M. R. Buckley, *Toward A Consistent Picture For CRESST, CoGeNT and DAMA*, *Phys. Rev. D* **85**, 043515 (2012), [arXiv:1110.5338 [astro-ph.CO]].
134. D. Hooper and C. Kelso, *Implications of a Large $B_s \rightarrow \mu^+ \mu^-$ Branching Fraction for the Minimal Supersymmetric Standard Model*, *Phys. Rev. D* **85**, 094014 (2012), [arXiv:1107.3858 [hep-ph]].
-

-
133. M. R. Buckley, D. Hooper, J. Kopp, A. Martin and E. T. Neil, *What the Tevatron Found?*, JHEP **10**, 063 (2011), [arXiv:1107.5799 [hep-ph]].
132. D. Hooper and C. Kelso, *Implications of CoGeNT's New Results For Dark Matter*, Phys. Rev. D **84**, 083001 (2011), [arXiv:1106.1066 [hep-ph]].
131. M. R. Buckley, D. Hooper and J. L. Rosner, *A Leptophobic Z' And Dark Matter From Grand Unification*, Phys. Lett. B **703**, 343-347 (2011), [arXiv:1106.3583 [hep-ph]].
130. T. Linden, D. Hooper and F. Yusef-Zadeh, *Dark Matter and Synchrotron Emission From Galactic Center Radio Filaments*, Astrophys. J. **741**, 95 (2011), [arXiv:1106.5493 [astro-ph.HE]].
129. M. Buckley, P. Fileviez Perez, D. Hooper and E. Neil, *Dark Forces At The Tevatron*, Phys. Lett. B **702**, 256-259 (2011), [arXiv:1104.3145 [hep-ph]].
128. D. Hooper and J. H. Steffen, *Dark Matter And The Habitability of Planets*, JCAP **07**, 046 (2012), [arXiv:1103.5086 [astro-ph.EP]].
127. M. R. Buckley, D. Hooper, J. Kopp and E. Neil, *Light Z' Bosons at the Tevatron*, Phys. Rev. D **83**, 115013 (2011), [arXiv:1103.6035 [hep-ph]].
126. M. R. Buckley, D. Hooper and T. M. P. Tait, *Particle Physics Implications for CoGeNT, DAMA, and Fermi*, Phys. Lett. B **702**, 216-219 (2011), [arXiv:1011.1499 [hep-ph]].
125. C. Kelso and D. Hooper, *Prospects For Identifying Dark Matter With CoGeNT*, JCAP **02**, 002 (2011), [arXiv:1011.3076 [hep-ph]].
124. D. Hooper and T. Linden, *Gamma Rays From The Galactic Center and the WMAP Haze*, Phys. Rev. D **83**, 083517 (2011), [arXiv:1011.4520 [astro-ph.HE]].
123. D. Hooper and L. Goodenough, *Dark Matter Annihilation in The Galactic Center As Seen by the Fermi Gamma Ray Space Telescope*, Phys. Lett. B **697**, 412-428 (2011), [arXiv:1010.2752 [hep-ph]].
122. A. V. Belikov, J. F. Gunion, D. Hooper and T. M. P. Tait, *CoGeNT, DAMA, and Light Neutralino Dark Matter*, Phys. Lett. B **705**, 82-86 (2011), [arXiv:1009.0549 [hep-ph]].
121. J. F. Gunion, A. V. Belikov and D. Hooper, *CoGeNT, DAMA, and Neutralino Dark Matter in the Next-To-Minimal Supersymmetric Standard Model*, [arXiv:1009.2555 [hep-ph]].
120. C. Kelso and D. Hooper, *Probing Exotic Physics With Supernova Neutrinos*, [arXiv:1009.5996 [astro-ph.HE]].
119. D. Hooper, J. I. Collar, J. Hall, D. McKinsey and C. Kelso, *A Consistent Dark Matter Interpretation For CoGeNT and DAMA/LIBRA*, Phys. Rev. D **82**, 123509 (2010), [arXiv:1007.1005 [hep-ph]].
118. D. Hooper, A. M. Taylor and S. Sarkar, *Cosmogenic Photons as a Test of Ultra-High Energy Cosmic Ray Composition*, Astropart. Phys. **34**, 340-343 (2011), [arXiv:1007.1306 [astro-ph.HE]].
-

-
117. A. V. Belikov, L. Goodenough and D. Hooper, *No Indications of Axion-Like Particles From Fermi*, Phys. Rev. D **83**, 063005 (2011), [arXiv:1007.4862 [astro-ph.HE]].
116. M. R. Buckley and D. Hooper, *Dark Matter Subhalos In the Fermi First Source Catalog*, Phys. Rev. D **82**, 063501 (2010), [arXiv:1004.1644 [hep-ph]].
115. A. L. Fitzpatrick, D. Hooper and K. M. Zurek, *Implications of CoGeNT and DAMA for Light WIMP Dark Matter*, Phys. Rev. D **81**, 115005 (2010), [arXiv:1003.0014 [hep-ph]].
114. D. Hooper, D. Spolyar, A. Vallinotto and N. Y. Gnedin, *Inelastic Dark Matter As An Efficient Fuel For Compact Stars*, Phys. Rev. D **81**, 103531 (2010), [arXiv:1002.0005 [hep-ph]].
113. M. Pato, D. Hooper and M. Simet, *Pinpointing Cosmic Ray Propagation With The AMS-02 Experiment*, JCAP **06**, 022 (2010), [arXiv:1002.3341 [astro-ph.HE]].
112. M. Beltran, D. Hooper, E. W. Kolb, Z. A. C. Krusberg and T. M. P. Tait, *Maverick Dark Matter at Colliders*, JHEP **09**, 037 (2010), [arXiv:1002.4137 [hep-ph]].
111. C. M. Kelso and D. Hooper, *Synchrotron Emission From Young And Nearby Pulsars*, JCAP **05**, 039 (2010), [arXiv:1001.1749 [astro-ph.HE]].
110. P. Sandick, D. Spolyar, M. R. Buckley, K. Freese and D. Hooper, *The Sensitivity of the IceCube Neutrino Detector to Dark Matter Annihilating in Dwarf Galaxies*, Phys. Rev. D **81**, 083506 (2010), [arXiv:0912.0513 [astro-ph.CO]].
109. L. A. Anchordoqui, H. Goldberg, D. Hooper, D. Marfatia and T. R. Taylor, *Neutralino Dark Matter Annihilation to Monoenergetic Gamma Rays as a Signal of Low Mass Superstrings*, Phys. Lett. B **683**, 321-325 (2010), [arXiv:0912.0517 [hep-ph]].
108. D. Hooper and A. M. Taylor, *On The Heavy Chemical Composition of the Ultra-High Energy Cosmic Rays*, Astropart. Phys. **33**, 151-159 (2010), [arXiv:0910.1842 [astro-ph.HE]].
107. L. Goodenough and D. Hooper, *Possible Evidence For Dark Matter Annihilation In The Inner Milky Way From The Fermi Gamma Ray Space Telescope*, [arXiv:0910.2998 [hep-ph]].
106. F. Halzen and D. Hooper, *The Indirect Search for Dark Matter with IceCube*, New J. Phys. **11**, 105019 (2009), [arXiv:0910.4513 [astro-ph.HE]].
105. D. Hooper and K. M. Zurek, *Pamela, FGST and Sub-Tev Dark Matter*, Phys. Lett. B **691**, 18-31 (2010), [arXiv:0909.4163 [hep-ph]].
104. T. Flacke, A. Menon, D. Hooper and K. Freese, *Kaluza-Klein Dark Matter And Neutrinos From Annihilation In The Sun*, [arXiv:0908.0899 [hep-ph]].
103. M. R. Buckley, K. Freese, D. Hooper, D. Spolyar and H. Murayama, *High-Energy Neutrino Signatures of Dark Matter Decaying into Leptons*, Phys. Rev. D **81**, 016006 (2010), [arXiv:0907.2385 [astro-ph.HE]].
102. D. Hooper and T. M. P. Tait, *Neutralinos in an Extension of the Minimal Supersymmetric Standard Model as the Source of the PAMELA Positron Excess*, Phys. Rev. D **80**, 055028 (2009), [arXiv:0906.0362 [hep-ph]].
-

-
101. A. V. Belikov and D. Hooper, *The Contribution Of Inverse Compton Scattering To The Diffuse Extragalactic Gamma-Ray Background From Annihilating Dark Matter*, Phys. Rev. D **81**, 043505 (2010), [arXiv:0906.2251 [astro-ph.CO]].
 100. D. Spolyar, M. R. Buckley, K. Freese, D. Hooper and H. Murayama, *High Energy Neutrinos As A Test of Leptophilic Dark Matter*, [arXiv:0905.4764 [astro-ph.CO]].
 99. A. V. Belikov and D. Hooper, *How Dark Matter Reionized The Universe*, Phys. Rev. D **80**, 035007 (2009), [arXiv:0904.1210 [hep-ph]].
 98. M. Simet and D. Hooper, *Astrophysical Uncertainties in the Cosmic Ray Electron and Positron Spectrum From Annihilating Dark Matter*, JCAP **08**, 003 (2009), [arXiv:0904.2398 [astro-ph.HE]].
 97. S. Dodelson, A. V. Belikov, D. Hooper and P. Serpico, *Identifying Dark Matter Annihilation Products In The Diffuse Gamma Ray Background*, Phys. Rev. D **80**, 083504 (2009), [arXiv:0903.2829 [astro-ph.CO]].
 96. D. Hooper and K. M. Zurek, *The PAMELA and ATIC Signals From Kaluza-Klein Dark Matter*, Phys. Rev. D **79**, 103529 (2009), [arXiv:0902.0593 [hep-ph]].
 95. P. D. Serpico and D. Hooper, *Gamma-rays From Dark Matter Annihilation in the Central Region of the Galaxy*, New J. Phys. **11**, 105010 (2009), [arXiv:0902.2539 [hep-ph]].
 94. D. Hooper, *TASI Lectures on Particle Dark Matter*, [arXiv:0901.4090 [hep-ph]].
 93. J. Buckley, E. A. Baltz, G. Bertone, K. Byrum, B. Dingus, S. Fegan, F. Ferrer, P. Gondolo, J. Hall and D. W. Hooper, *et al. Section on Prospects for Dark Matter Detection of the White Paper on the Status and Future of Ground-Based TeV Gamma-Ray Astronomy*, [arXiv:0812.0795 [astro-ph]].
 92. D. Hooper, A. Stebbins and K. M. Zurek, *Excesses in Cosmic Ray Positron and Electron Spectra From a Nearby Clump of Neutralino Dark Matter*, Phys. Rev. D **79**, 103513 (2009), [arXiv:0812.3202 [hep-ph]].
 91. J. Hall and D. Hooper, *Distinguishing Between Dark Matter and Pulsar Origins of the ATIC Electron Spectrum With Atmospheric Cherenkov Telescopes*, Phys. Lett. B **681**, 220-223 (2009), [arXiv:0811.3362 [astro-ph]].
 90. D. Hooper, P. Blasi and P. D. Serpico, *Pulsars as the Sources of High Energy Cosmic Ray Positrons*, JCAP **01**, 025 (2009), [arXiv:0810.1527 [astro-ph]].
 89. I. Cholis, L. Goodenough, D. Hooper, M. Simet and N. Weiner, *High Energy Positrons From Annihilating Dark Matter*, Phys. Rev. D **80**, 123511 (2009), [arXiv:0809.1683 [hep-ph]].
 88. G. Caceres and D. Hooper, *Neutralino Dark Matter as the Source of the WMAP Haze*, Phys. Rev. D **78**, 123512 (2008), [arXiv:0808.0508 [hep-ph]].
 87. D. Hooper, F. Petriello, K. M. Zurek and M. Kamionkowski, *The New DAMA Dark-Matter Window and Energetic-Neutrino Searches*, Phys. Rev. D **79**, 015010 (2009), [arXiv:0808.2464 [hep-ph]].

-
86. M. Beltran, D. Hooper, E. W. Kolb and Z. C. Krusberg, *Deducing the Nature of Dark Matter From Direct and Indirect Detection Experiments in the Absence of Collider Signatures of New Physics*, Phys. Rev. D **80**, 043509 (2009), [arXiv:0808.3384 [hep-ph]].
85. B. C. Allanach and D. Hooper, *Panglossian Prospects for Detecting Neutralino Dark Matter in Light of Natural Priors*, JHEP **10**, 071 (2008), [arXiv:0806.1923 [hep-ph]].
84. D. Hooper and E. A. Baltz, *Strategies for Determining the Nature of Dark Matter*, Ann. Rev. Nucl. Part. Sci. **58**, 293-314 (2008), [arXiv:0802.0702 [hep-ph]].
83. D. Hooper, S. Sarkar and A. M. Taylor, *The Intergalactic Propagation of Ultra-High Energy Cosmic Ray Nuclei: An Analytic Approach*, Phys. Rev. D **77**, 103007 (2008), [arXiv:0802.1538 [astro-ph]].
82. D. Hooper, T. Plehn and A. Vallinotto, *Neutralino Dark Matter and Trilepton Searches in the MSSM*, Phys. Rev. D **77**, 095014 (2008), [arXiv:0801.2539 [hep-ph]].
81. J. March-Russell, S. M. West, D. Cumberbatch and D. Hooper, *Heavy Dark Matter Through the Higgs Portal*, JHEP **07**, 058 (2008), [arXiv:0801.3440 [hep-ph]].
80. D. Hooper and K. M. Zurek, *A Natural Supersymmetric Model with MeV Dark Matter*, Phys. Rev. D **77**, 087302 (2008), [arXiv:0801.3686 [hep-ph]].
79. D. Hooper, *Constraining Supersymmetric Dark Matter With Synchrotron Measurements*, Phys. Rev. D **77**, 123523 (2008), [arXiv:0801.4378 [hep-ph]].
78. M. Simet, D. Hooper and P. D. Serpico, *The Milky Way as a Kiloparsec-Scale Axionscope*, Phys. Rev. D **77**, 063001 (2008), [arXiv:0712.2825 [astro-ph]].
77. S. Dodelson, D. Hooper and P. D. Serpico, *Extracting the Gamma Ray Signal From Dark Matter Annihilation in the Galactic Center Region*, Phys. Rev. D **77**, 063512 (2008), [arXiv:0711.4621 [astro-ph]].
76. L. A. Anchordoqui, H. Goldberg, D. Hooper, S. Sarkar and A. M. Taylor, *Predictions for the Cosmogenic Neutrino Flux in Light of New Data From the Pierre Auger Observatory*, Phys. Rev. D **76**, 123008 (2007), [arXiv:0709.0734 [astro-ph]].
75. D. Hooper, G. Zaharijas, D. P. Finkbeiner and G. Dobler, *Prospects For Detecting Dark Matter With GLAST In Light Of The WMAP Haze*, Phys. Rev. D **77**, 043511 (2008), [arXiv:0709.3114 [astro-ph]].
74. D. Hooper and P. D. Serpico, *Detecting Axion-Like Particles With Gamma Ray Telescopes*, Phys. Rev. Lett. **99**, 231102 (2007), [arXiv:0706.3203 [hep-ph]].
73. B. A. Dobrescu, D. Hooper, K. Kong and R. Mahbubani, *Spinless photon dark matter From two universal extra dimensions*, JCAP **10**, 012 (2007), [arXiv:0706.3409 [hep-ph]].
72. D. Hooper, D. P. Finkbeiner and G. Dobler, *Possible Evidence for Dark Matter Annihilations From the Excess Microwave Emission Around the Center of the Galaxy Seen by the Wilkinson Microwave Anisotropy Probe*, Phys. Rev. D **76**, 083012 (2007), [arXiv:0705.3655 [astro-ph]].
-

-
71. D. Hooper, M. Kaplinghat, L. E. Strigari and K. M. Zurek, *MeV Dark Matter and Small Scale Structure*, Phys. Rev. D **76**, 103515 (2007), [arXiv:0704.2558 [astro-ph]].
70. L. A. Anchordoqui, D. Hooper, S. Sarkar and A. M. Taylor, *High-Energy Neutrinos From Astrophysical Accelerators of Cosmic Ray Nuclei*, Astropart. Phys. **29**, 1-13 (2008), [arXiv:astro-ph/0703001 [astro-ph]].
69. D. Hooper and P. D. Serpico, *Angular Signatures of Dark Matter in the Diffuse Gamma Ray Spectrum*, JCAP **06**, 013 (2007), [arXiv:astro-ph/0702328 [astro-ph]].
68. D. Hooper, *Detecting MeV Gauge Bosons with High-Energy Neutrino Telescopes*, Phys. Rev. D **75**, 123001 (2007), [arXiv:hep-ph/0701194 [hep-ph]].
67. D. Hooper and S. Profumo, *Dark Matter and Collider Phenomenology of Universal Extra Dimensions*, Phys. Rept. **453**, 29-115 (2007), [arXiv:hep-ph/0701197 [hep-ph]].
66. D. Hooper and G. Zaharijas, *Distinguishing Supersymmetry From Universal Extra Dimensions or Little Higgs Models With Dark Matter Experiments*, Phys. Rev. D **75**, 035010 (2007), [arXiv:hep-ph/0612137 [hep-ph]].
65. M. Carena, D. Hooper and A. Vallinotto, *The Interplay Between Collider Searches For Supersymmetric Higgs Bosons and Direct Dark Matter Experiments*, Phys. Rev. D **75**, 055010 (2007), [arXiv:hep-ph/0611065 [hep-ph]].
64. D. Hooper, S. Sarkar and A. M. Taylor, *The Intergalactic Propagation of Ultrahigh Energy Cosmic Ray Nuclei*, Astropart. Phys. **27**, 199-212 (2007), [arXiv:astro-ph/0608085 [astro-ph]].
63. D. Hooper and A. M. Taylor, *Determining Supersymmetric Parameters With Dark Matter Experiments*, JCAP **03**, 017 (2007), [arXiv:hep-ph/0607086 [hep-ph]].
62. F. Halzen and D. Hooper, *AMANDA Observations Constrain the Ultrahigh Energy Neutrino Flux*, Phys. Rev. Lett. **97**, 099901 (2006) [erratum: Phys. Rev. Lett. **97**, 071101 (2006)], [arXiv:astro-ph/0605103 [astro-ph]].
61. L. A. Anchordoqui, A. M. Cooper-Sarkar, D. Hooper and S. Sarkar, *Probing Low- x QCD with Cosmic Neutrinos at the Pierre Auger Observatory*, Phys. Rev. D **74**, 043008 (2006), [arXiv:hep-ph/0605086 [hep-ph]].
60. N. Busca, D. Hooper and E. W. Kolb, *Pierre Auger Data, Photons, and Top-Down Cosmic Ray Models*, Phys. Rev. D **73**, 123001 (2006), [arXiv:astro-ph/0603055 [astro-ph]].
59. G. Zaharijas and D. Hooper, *Challenges in Detecting Gamma-Rays From Dark Matter Annihilations in the Galactic Center*, Phys. Rev. D **73**, 103501 (2006), [arXiv:astro-ph/0603540 [astro-ph]].
58. M. Carena, D. Hooper and P. Z. Skands, *Implications of Direct Dark Matter Searches for MSSM Higgs Searches at the Tevatron*, Phys. Rev. Lett. **97**, 051801 (2006), [arXiv:hep-ph/0603180 [hep-ph]].

-
57. P. Fayet, D. Hooper and G. Sigl, *Constraints on Light Dark Matter From Core-Collapse Supernovae*, Phys. Rev. Lett. **96**, 211302 (2006), [arXiv:hep-ph/0602169 [hep-ph]].
56. D. Hooper and S. Dodelson, *What Can Gamma Ray Bursts Teach Us About Dark Energy?*, Astropart. Phys. **27**, 113-118 (2007), [arXiv:astro-ph/0512232 [astro-ph]].
55. L. Bergstrom and D. Hooper, *Dark Matter and Gamma-Rays From Draco: MAGIC, GLAST and CACTUS*, Phys. Rev. D **73**, 063510 (2006), [arXiv:hep-ph/0512317 [hep-ph]].
54. F. Halzen and D. Hooper, *Prospects for Detecting Dark Matter with Neutrino Telescopes in Light of Recent Results From Direct Detection Experiments*, Phys. Rev. D **73**, 123507 (2006), [arXiv:hep-ph/0510048 [hep-ph]].
53. J. F. Gunion, D. Hooper and B. McElrath, *Light Neutralino Dark Matter in the NMSSM*, Phys. Rev. D **73**, 015011 (2006), [arXiv:hep-ph/0509024 [hep-ph]].
52. T. Flacke, D. Hooper and J. March-Russell, *Improved Bounds on Universal Extra Dimensions and Consequences for LKP Dark Matter*, Phys. Rev. D **73**, 095002 (2006) [erratum: Phys. Rev. D **74**, 019902 (2006)], [arXiv:hep-ph/0509352 [hep-ph]].
51. H. Zhao, J. E. Taylor, J. Silk and D. Hooper, *Tidal Disruption of the First Dark Microhalos*, Astrophys. J. **654**, 697-701 (2007), [arXiv:astro-ph/0508215 [astro-ph]].
50. L. Anchordoqui, T. Han, D. Hooper and S. Sarkar, *Exotic Neutrino Interactions at the Pierre Auger Observatory*, Astropart. Phys. **25**, 14-32 (2006), [arXiv:hep-ph/0508312 [hep-ph]].
49. D. Hooper and T. Plehn, *Dark Matter and Collider Phenomenology with Two Light Supersymmetric Higgs Bosons*, Phys. Rev. D **72**, 115005 (2005), [arXiv:hep-ph/0506061 [hep-ph]].
48. D. Hooper, D. Morgan and E. Winstanley, *Lorentz and CPT Invariance Violation in High-Energy Neutrinos*, Phys. Rev. D **72**, 065009 (2005), [arXiv:hep-ph/0506091 [hep-ph]].
47. L. A. Anchordoqui, H. Goldberg, M. C. Gonzalez-Garcia, F. Halzen, D. Hooper, S. Sarkar and T. J. Weiler, *Probing Planck Scale Physics with IceCube*, Phys. Rev. D **72**, 065019 (2005), [arXiv:hep-ph/0506168 [hep-ph]].
46. H. S. Zhao, J. Taylor, J. Silk and D. Hooper, *Earth-Mass Mini-Halos are Tidally Disrupted by Close Encounters with Stars*, [arXiv:astro-ph/0502049 [astro-ph]].
45. F. Halzen and D. Hooper, *High Energy Neutrinos From the TeV blazar 1ES 1959+650*, Astropart. Phys. **23**, 537-542 (2005), [arXiv:astro-ph/0502449 [astro-ph]].
44. D. Hooper and G. Servant, *Indirect Detection of Dirac Right-Handed Neutrino Dark Matter*, Astropart. Phys. **24**, 231-246 (2005), [arXiv:hep-ph/0502247 [hep-ph]].
43. D. Hooper and J. March-Russell, *Gauge Mediated Supersymmetry Breaking and Multi-TeV Gamma-Rays From the Galactic Center*, Phys. Lett. B **608**, 17-23 (2005), [arXiv:hep-ph/0412048 [hep-ph]].
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42. E. A. Baltz and D. Hooper, *Kaluza-Klein Dark Matter, Electrons and γ -Ray Telescopes*, JCAP **07**, 001 (2005), [arXiv:hep-ph/0411053 [hep-ph]].
 41. D. Hooper, D. Morgan and E. Winstanley, *Probing Quantum Decoherence with High-Energy Neutrinos*, Phys. Lett. B **609**, 206-211 (2005), [arXiv:hep-ph/0410094 [hep-ph]].
 40. D. Hooper, J. March-Russell and S. M. West, *Asymmetric Sneutrino Dark Matter and the Ω_b/Ω_{DM} Puzzle*, Phys. Lett. B **605**, 228-236 (2005), [arXiv:hep-ph/0410114 [hep-ph]].
 39. A. Bueno, R. Cid, S. Navas, D. Hooper and T. J. Weiler, *Indirect Detection of Dark Matter WIMPs in a Liquid Argon TPC*, JCAP **01**, 001 (2005), [arXiv:hep-ph/0410206 [hep-ph]].
 38. D. Hooper and J. Silk, *Searching for Dark Matter with Future Cosmic Positron Experiments*, Phys. Rev. D **71**, 083503 (2005), [arXiv:hep-ph/0409104 [hep-ph]].
 37. T. Han and D. Hooper, *The Particle Physics Reach of High-Energy Neutrino Astronomy*, New J. Phys. **6**, 150 (2004), [arXiv:hep-ph/0408348 [hep-ph]].
 36. D. Hooper, A. Taylor and S. Sarkar, *The Impact of Heavy Nuclei on the Cosmogenic Neutrino Flux*, Astropart. Phys. **23**, 11-17 (2005), [arXiv:astro-ph/0407618 [astro-ph]].
 35. D. Hooper and G. D. Kribs, *Kaluza-Klein Dark Matter and the Positron Excess*, Phys. Rev. D **70**, 115004 (2004), [arXiv:hep-ph/0406026 [hep-ph]].
 34. D. Hooper, I. de la Calle Perez, J. Silk, F. Ferrer and S. Sarkar, *Have Atmospheric Cerenkov Telescopes Observed Dark Matter?*, JCAP **09**, 002 (2004), [arXiv:astro-ph/0404205 [astro-ph]].
 33. G. Bertone, D. Hooper and J. Silk, *Particle Dark Matter: Evidence, Candidates and Constraints*, Phys. Rept. **405**, 279-390 (2005), [arXiv:hep-ph/0404175 [hep-ph]].
 32. D. Hooper and L. T. Wang, *Possible Evidence for Axino Dark Matter in the Galactic Bulge*, Phys. Rev. D **70**, 063506 (2004), [arXiv:hep-ph/0402220 [hep-ph]].
 31. D. Hooper, J. E. Taylor and J. Silk, *Can Supersymmetry Naturally Explain the Positron Excess?*, Phys. Rev. D **69**, 103509 (2004), [arXiv:hep-ph/0312076 [hep-ph]].
 30. D. Hooper, F. Ferrer, C. Boehm, J. Silk, J. Paul, N. W. Evans and M. Casse, *Possible Evidence for MeV Dark Matter in Dwarf Spheroidals*, Phys. Rev. Lett. **93**, 161302 (2004), [arXiv:astro-ph/0311150 [astro-ph]].
 29. D. Hooper and J. Silk, *Searching for Dark Matter with Neutrino Telescopes*, New J. Phys. **6**, 23 (2004), [arXiv:hep-ph/0311367 [hep-ph]].
 28. F. Halzen and D. Hooper, *IceCube-Plus: An Ultrahigh-Energy Neutrino Telescope*, JCAP **01**, 002 (2004), [arXiv:astro-ph/0310152 [astro-ph]].
 27. J. Alvarez-Muniz, F. Halzen and D. Hooper, *Grb941017: A Case Study of Neutrino Production in Gamma Ray Bursts*, Astrophys. J. Lett. **604**, L85-L88 (2004), [arXiv:astro-ph/0310417 [astro-ph]].

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26. D. Hooper and L. T. Wang, *Direct and Indirect Detection of Neutralino Dark Matter in Selected Supersymmetry Breaking Scenarios*, Phys. Rev. D **69**, 035001 (2004), [arXiv:hep-ph/0309036 [hep-ph]].
 25. J. F. Beacom, N. F. Bell, D. Hooper, S. Pakvasa and T. J. Weiler, *Sensitivity to θ_{13} and δ in the Decaying Astrophysical Neutrino Scenario*, Phys. Rev. D **69**, 017303 (2004), [arXiv:hep-ph/0309267 [hep-ph]].
 24. C. Boehm, D. Hooper, J. Silk, M. Casse and J. Paul, *MeV Dark Matter: Has it Been Detected?*, Phys. Rev. Lett. **92**, 101301 (2004), [arXiv:astro-ph/0309686 [astro-ph]].
 23. J. F. Beacom, N. F. Bell, D. Hooper, S. Pakvasa and T. J. Weiler, *Measuring Flavor Ratios of High-Energy Astrophysical Neutrinos*, Phys. Rev. D **68**, 093005 (2003) [erratum: Phys. Rev. D **72**, 019901 (2005)], [arXiv:hep-ph/0307025 [hep-ph]].
 22. T. Han and D. Hooper, *Effects of Electroweak Instantons in High-Energy Neutrino Telescopes*, Phys. Lett. B **582**, 21-26 (2004), [arXiv:hep-ph/0307120 [hep-ph]].
 21. J. F. Beacom, N. F. Bell, D. Hooper, J. G. Learned, S. Pakvasa and T. J. Weiler, *Pseudo-Dirac Neutrinos: A Challenge for Neutrino Telescopes*, Phys. Rev. Lett. **92**, 011101 (2004), [arXiv:hep-ph/0307151 [hep-ph]].
 20. F. Halzen and D. Hooper, *Gamma-Ray Astronomy with IceCube*, JCAP **08**, 006 (2003), [arXiv:astro-ph/0305234 [astro-ph]].
 19. D. Guetta, D. Hooper, J. Alvarez-Muniz, F. Halzen and E. Reuveni, *Neutrinos From Individual Gamma-Ray Bursts in the BATSE Catalog*, Astropart. Phys. **20**, 429-455 (2004), [arXiv:astro-ph/0302524 [astro-ph]].
 18. D. Hooper and T. Plehn, *Supersymmetric Dark Matter: How Light Can the LSP Be?*, Phys. Lett. B **562**, 18-27 (2003), [arXiv:hep-ph/0212226 [hep-ph]].
 17. J. F. Beacom, N. F. Bell, D. Hooper, S. Pakvasa and T. J. Weiler, *Decay of High-Energy Astrophysical Neutrinos*, Phys. Rev. Lett. **90**, 181301 (2003), [arXiv:hep-ph/0211305 [hep-ph]].
 16. D. Hooper and B. L. Dingus, *Limits on Supersymmetric Dark Matter From EGRET Observations of the Galactic Center Region*, Phys. Rev. D **70**, 113007 (2004), [arXiv:astro-ph/0210617 [astro-ph]].
 15. D. Hooper, H. Nunokawa, O. L. G. Peres and R. Zukanovich Funchal, *Measuring the Spectra of High-Energy Neutrinos with a Kilometer Scale Neutrino Telescope*, Phys. Rev. D **67**, 013001 (2003), [arXiv:hep-ph/0209062 [hep-ph]].
 14. D. Hooper and G. D. Kribs, *Probing Kaluza-Klein Dark Matter with Neutrino Telescopes*, Phys. Rev. D **67**, 055003 (2003), [arXiv:hep-ph/0208261 [hep-ph]].
 13. C. Barbot, M. Drees, F. Halzen and D. Hooper, *SUSY in the Sky: Observing Ultrahigh-Energy Cosmic Neutralinos*, Phys. Lett. B **563**, 132-139 (2003), [arXiv:hep-ph/0207133 [hep-ph]].
 12. C. Barbot, M. Drees, F. Halzen and D. Hooper, *Neutrinos Associated with Cosmic Rays of Top-Down Origin*, Phys. Lett. B **555**, 22-32 (2003), [arXiv:hep-ph/0205230 [hep-ph]].
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11. F. Halzen and D. Hooper, *High-Energy Neutrino Astronomy: The Cosmic Ray Connection*, Rept. Prog. Phys. **65**, 1025-1078 (2002), [arXiv:astro-ph/0204527 [astro-ph]].
 10. J. J. Friess, T. Han and D. Hooper, *TeV String State Excitation Via High-Energy Cosmic Neutrinos*, Phys. Lett. B **547**, 31-36 (2002), [arXiv:hep-ph/0204112 [hep-ph]].
 9. D. Hooper, *Measuring High-Energy Neutrino-Nucleon Cross-Sections with Future Neutrino Telescopes*, Phys. Rev. D **65**, 097303 (2002), [arXiv:hep-ph/0203239 [hep-ph]].
 8. J. Alvarez-Muniz, J. L. Feng, F. Halzen, T. Han and D. Hooper, *Detecting Microscopic Black Holes with Neutrino Telescopes*, Phys. Rev. D **65**, 124015 (2002), [arXiv:hep-ph/0202081 [hep-ph]].
 7. F. Halzen and D. Hooper, *Neutrinos From the Annihilation or Decay of Superheavy Relic Dark Matter Particles*, Nucl. Phys. B Proc. Suppl. **124**, 243-246 (2003), [arXiv:hep-ph/0110201 [hep-ph]].
 6. J. Alvarez-Muniz, F. Halzen, T. Han and D. Hooper, *Phenomenology of High-Energy Neutrinos in Low Scale Quantum Gravity Models*, Phys. Rev. Lett. **88**, 021301 (2002), [arXiv:hep-ph/0107057 [hep-ph]].
 5. V. D. Barger, F. Halzen, D. Hooper and C. Kao, *Indirect Search for Neutralino Dark Matter with High-Energy Neutrinos*, Phys. Rev. D **65**, 075022 (2002), [arXiv:hep-ph/0105182 [hep-ph]].
 4. D. W. Hooper, *Gamma-Rays From Near Solar WIMP Annihilations*, [arXiv:hep-ph/0103277 [hep-ph]].
 3. D. Hooper, *Indirect Detection of Neutralino Dark Matter up to the TeV Scale*, Nucl. Phys. B Proc. Suppl. **101**, 347-356 (2001), [arXiv:hep-ph/0102011 [hep-ph]].
 2. J. Alvarez-Muniz, F. Halzen and D. W. Hooper, *High-Energy Neutrinos From Gamma-Ray Bursts: Event Rates in Neutrino Telescopes*, Phys. Rev. D **62**, 093015 (2000), [arXiv:astro-ph/0006027 [astro-ph]].
 1. F. Halzen and D. W. Hooper, *Neutrino Event Rates From Gamma-Ray Bursts*, Astrophys. J. Lett. **527**, L93-L96 (1999), [arXiv:astro-ph/9908138 [astro-ph]].

POPULAR SCIENCE PUBLICATIONS	<i>What is the Standard Model of Particle Physics and why are Scientists Looking Beyond it?</i> Astronomy	19 May, 2022
	<i>The Beginning of the End of the Universe: It Started With a Bang</i> Astronomy	7 Jan, 2021
	<i>Four Puzzles That Tell Us a Cosmological Revolution is Coming</i> New Scientist	22 July, 2020
	<i>Is the Big Bang in Crisis?</i> Astronomy	14 May, 2020
	<i>To Understand Our Universe, Look to its First Moments</i> BBC Science Focus	8 Feb, 2020
	<i>Will We Ever Find Dark Matter in the Universe?</i> Time Magazine	6 Dec, 2019
	<i>Why Dark Matter's No-Show Could Mean a Big Bang Rethink</i> New Scientist	13 Nov, 2019
	<i>A Well-Deserved Physics Nobel</i> Scientific American	12 Oct, 2019
	<i>How Will Our Species Survive in an Ever-Expanding Universe?</i> Scientific American	11 July, 2018
	<i>The Relentless Hunt for Dark Matter</i> Physics	30 Oct, 2017
	<i>The Mystery Substance Physics Still Can't Identify That Makes Up the Majority of Our Universe</i> The Conversation	13 Oct, 2017
	<i>Spot marks the "X"</i> The Economist	11 Nov, 2015
	<i>Instant Expert: Dark Matter</i> New Scientist	2 Nov, 2011

CONFERENCE TALKS	<i>Black Holes in the Early Universe</i> New Horizons in Primordial Black Holes Workshop (NEHOP) 2024 Edinburgh, Scotland	June 2024
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> TeV Particle Astrophysics Workshop (TeVPA) 2023 Naples, Italy	Sept 2023
	<i>Pondering Cosmic Rays with Subir</i> SubirFest University of Oxford, UK	Sept 2023
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> Nobel Symposium on Dark Matter Ranas Slott, Sweden	Aug 2023
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> LCTP Symposium on Astrophysical Signatures of Dark Matter University of Michigan, Ann Arbor, USA	May 2023
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> New Lampposts for Dark Matter and BSM Workshop Simons Center for Geometry and Physics, Stony Brook, USA	March 2023
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> TeV Particle Astrophysics Workshop (TeVPA) 2022 Queens University, Kingston, Canada	Aug 2022
	<i>Signals of Annihilating Dark Matter</i> Invited Talk, PASCOS 2022 Max Planck Institute for Nuclear Physics, Heidelberg, Germany	July 2022
	<i>The Status of the Galactic Center Gamma-Ray Excess</i> Identification of Dark Matter 2022 Vienna, Germany	July 2022
	<i>Signals of Annihilating Dark Matter</i> Invited Talk, Particle Physics and Cosmology (PPC) 2022 Washington University, Saint Louis, USA	June 2022
	<i>New Eras in Astro-Particle Physics</i> Invited Talk, Pheno 2022 Symposium University of Pittsburg, USA	May 2022
	<i>Dark Matter, Pulsars, and the Galactic Center Gamma-Ray Excess</i> Invited Talk, Beyond the Standard Model Workshop (Virtual) Chung-Ang University, Seoul, Korea	Feb 2022

<i>Dark Matter, Pulsars, and the Galactic Center Gamma-Ray Excess</i> Invited Talk, AstroDark 2021 (Virtual) Workshop IMPU, Tokyo, Japan	Dec 2021
<i>Dark Matter and Dark Radiation from Black Holes in the Early Universe</i> Invited Talk, Astrophysical Windows on Dark Matter Workshop The Royal Society, London, UK	Nov 2021
<i>Hidden Sector WIMPs</i> Invited Talk, New Directions in Heavy Dark Matter Workshop DESY, Hamburg, Germany	Feb 2020
<i>Revisiting the Status of WIMP Dark Matter</i> Antideuteron Workshop UCLA, Los Angeles, USA	Oct 2019
<i>Dark Radiation and Dark Matter from Primordial Black Holes</i> Invited Talk, GGI Dark Matter Workshop GGI Institute, Florence, Italy	Sept 2019
<i>Hidden Sector WIMPs</i> Invited Talk, Signals of Dark Matter in its Natural Habitat Workshop TRIUMF, Vancouver, Canada	Mar 2019
<i>Signals of Dark Matter</i> Invited Talk, Workshop on Direct Detection Peking University, Beijing, China	Feb 2019
<i>The WIMP is Dead! Long Live the WIMP!</i> Invited Talk, Light Dark World Workshop 2018 KAIST, Daejeon, Korea	Dec 2018
<i>The Galactic Center Gamma-Ray Excess and its Interpretations</i> TeV Particle Astrophysics Workshop (TeVPA) 2018 Berlin, Germany	Aug 2018
<i>The Galactic Center Gamma-Ray Excess and its Interpretations: A Status Report</i> Identification of Dark Matter (IDM) Workshop 2018 Providence, USA	July 2018
<i>In Defense of Dark Matter</i> Invited Talk, KITP Conference on Dark Matter Detection & Detectability Santa Barbara, USA	April 2018
<i>Pulsars and the Galactic Center Gamma-Ray Excess</i> UCLA Dark Matter Meeting UCLA, Los Angeles, USA	Feb 2018

<i>The WIMP is Dead! Long Live the WIMP!</i> Invited Talk, Lake Louise Winter Institute Lake Louise, Canada	Feb 2018
<i>The Status of WIMP Dark Matter</i> Developing New Tools for Dark Matter Searches Workshop Aspen Center for Physics, Aspen, USA	Aug 2017
<i>Nearby Pulsars and the Cosmic-Ray Positron Excess</i> TeV Particle Astrophysics Workshop 2017 Columbus, USA	Aug 2017
<i>Conference Summary</i> Invited Talk, Particle Physics and Cosmology (PPC) 2017 Corpus Christi, USA	May 2017
<i>Nearby Pulsars and the Cosmic-Ray Positron Excess</i> IceCube Particle Astrophysics Symposium Madison, USA	May 2017
<i>The Status of the Indirect Detection of Dark Matter</i> Invited Talk, Origin of Mass Workshop Odense, Denmark	May 2017
<i>The Future of the Indirect Detection of Dark Matter</i> Invited Talk, Royal Society Workshop on Dark Matter Chicheley Hall, UK	May 2017
<i>The Status of the Indirect Detection of Dark Matter</i> Invited Talk, Bethe Center Particle Physics Meets Cosmology Workshop Bad Honef, Germany	Oct 2016
<i>Dark Matter Annihilation in the Galactic Center</i> Invited Talk, IAU Workshop on the Galactic Center Cairns, Australia	July 2016
<i>Dark Matter Annihilation in the Galactic Center</i> UCLA Dark Matter Workshop Los Angeles, USA	Feb 2016
<i>Dark Matter Annihilation in the Galactic Center</i> Invited Talk, Dark Matter Cairo Workshop Cairo, Egypt	Dec 2015
<i>The Case for a Dark Matter Interpretation of the Galactic Center Excess</i> Invited Talk, Gamma Rays and Dark Matter Workshop Obergurgl, Austria	Dec 2015

<i>Searching for Dark Matter Subhalos with Fermi</i> University of Chicago Dark Matter Hub Meeting Chicago, USA	Nov 2015
<i>The Search for Dark Matter's Particle Identity (Circa 2015)</i> Invited Talk, DESY Theory Workshop Workshop Hamburg, Germany	Sept 2015
<i>Dark Matter Annihilation in the Galactic Center</i> Invited Talk, Invisibles15 Workshop Madrid, Spain	June 2015
<i>The Search for Dark Matter's Particle Identity (Circa 2015)</i> Invited Talk, 48th Annual Fermilab Users Meeting Batavia, USA	June 2015
<i>The Case for a Dark Matter Interpretation of the Galactic Center Excess</i> Invited Talk, Extended Workshop on Identification of Dark Matter Madrid, Spain	May 2015
<i>Dark Matter Annihilation in the Galactic Center</i> Fermi Symposium Nagoya, Japan	Oct 2014
<i>The Search for Annihilating Dark Matter</i> Invited talk, IBS-MultiDark Joint Focus Program on WIMPs and Axions Daejeon, South Korea	Oct 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Invited talk, Michigan Dark Matter Workshop University of Michigan, Ann Arbor, US	Sept 2014
<i>Anomalies in the Indirect Detection of Dark Matter</i> SLAC Summer Institute, Shining Light on Dark Matter SLAC, Menlo Park, USA	Aug 2014
<i>Conference Summary</i> Invited Summary Talk, Joint TeV Particle Astrophysics/Identification of Dark Matter Workshop Amsterdam, Netherlands	June 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Invited Talk, Dark Interactions Workshop Brookhaven National Laboratory, USA	June 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Invited talk, CIFIR Cosmology and Gravity Program Meeting Quebec City, Canada	May 2014

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- Dark Matter Annihilation in the Galactic Center*
Invited talk, Sackler Debates on the Nature of Dark Matter
Harvard/CfA, Boston, USA May 2014
- Dark Matter Annihilation in the Galactic Center*
Invited talk, New Perspectives on Dark Matter
Fermilab, Batavia, USA April 2014
- Anomalous Gamma-Ray Emission from the Central Milky Way: A Compelling Case for Annihilating Dark Matter*
UCLA Dark Matter Workshop
UCLA, Los Angeles, USA Feb 2014
- Dark Matter Annihilation in the Galactic Center and Inner Galaxy*
Invited talk, Violent Universe Workshop
Institute for Physics, London, England Nov 2013
- Dark Matter Annihilation in the Galactic Center and Inner Galaxy*
Invited talk, The Dark Matter Paradigm, Status and Challenges Workshop
Princeton, USA Oct 2013
- Dark Matter Annihilation in the Galactic Center and Inner Galaxy*
Invited talk, What are we Learning from the Gamma-Ray Sky Workshop
Minneapolis, USA Oct 2013
- Dark Matter in the Coming Decade: Complementary Paths to Discovery and Beyond*
Community Summer Study (Snowmass 2013), CF4 Summary Talk
Minneapolis, USA Aug 2013
- Dark Matter in the Discovery Age*
Invited talk, Planck 2013 Workshop
Bonn, Germany May 2013
- Gamma Rays From Dark Matter in the Galactic Center and in the Inner Galaxy*
Invited talk, University of Michigan Dark Matter Workshop
University of Michigan, Ann Arbor, USA April 2013
- Indirect Searches for Dark Matter in the Discovery Age*
Closing in on Dark Matter Workshop
Aspen, USA Jan 2013
- Dark Matter and Galactic Center Gamma Rays*
TeV Particle-Astrophysics 2012 Workshop
Mumbai, India Dec 2012
- Searching for Dark Matter in the Discovery Age*
7th TeV Scale Physics Workshop, Tshinghua Univeristy
Beijing, China Nov 2012
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<i>Lectures on Particle Dark Matter</i> DPG School on Heavy Particles at the LHC Bad Honef, Germany	Sept 2012
<i>Searching for Dark Matter in the Discovery Age</i> Aspen Center for Physics, Physics Colloquium Aspen, USA	Aug 2012
<i>Lectures on Particle Dark Matter</i> SLAC Summer Institute SLAC, Menlo Park, USA	July 2012
<i>Dark Forces and Light Dark Matter</i> PATRAS Workshop Chicago, USA	July 2012
<i>Indirect Evidence For Light WIMPs</i> SnowDOG Workshop Salt Lake City, USA	April 2012
<i>Dark Matter in the Discovery Age</i> Fermilab Dark Matter Workshop, Opening Talk, Fermilab, Batavia, USA	April 2012
<i>Indirect Evidence For Light WIMPs</i> UCLA Dark Matter Workshop, Marina Del Ray, USA	Feb 2012
<i>Indirect Evidence For Light Dark Matter</i> University of Pittsburg Light Dark Matter Workshop Pittsburg, USA	Nov 2011
<i>Light WIMPs!</i> SUSY 2011 Workshop Chicago, USA	Sept 2011
<i>Closing In On Dark Matter</i> Dark Workshop Copenhagen, Denmark	Aug 2011
<i>Light WIMPs!</i> TeV Particle Astrophysics 2011 Workshop Stockholm, Sweden	Aug 2011
<i>Closing In On Dark Matter</i> April Americal Physical Society, Plenary Talk Annaheim, USA	May 2011

<i>The Observational Case For 8-10 GeV Dark Matter</i> Princeton Dark Matter Direct Detection Workshop Princeton, USA	Nov 2010
<i>Indirect Searches For Dark Matter</i> Darkness Visible Workshop Cambridge, England	Aug 2010
<i>Dark Matter Subhalos In The First Fermi Source Catalog</i> Identification of Dark Matter (IDM) 2010 Workshop Montpellier, France	July 2010
<i>Dark Matter Subhalos In The First Fermi Source Catalog</i> TeV Particle-Astrophysics IV Workshop Paris, France	July 2010
<i>Gamma Ray Searches For Dark Matter</i> 2010 UCLA Dark Matter Workshop UCLA, Los Angeles, USA	Feb 2010
<i>Recent Developments in the Indirect Detection of Dark Matter</i> Focus Week on Indirect Dark Matter Searches University of Tokyo (IPMU), Japan	Dec 2009
<i>Did Dark Matter Annihilations Reionize The Universe?</i> New Lights on Dark Matter Conference Perimeter Institute, Waterloo, Canada	June 2009
<i>Direct and Indirect Searches For Particle Dark Matter (The discovery era begins)</i> Invited Talk, Pheno 2007 Symposium University of Wisconsin, Madison, USA	May 2009
<i>Direct and Indirect Searches For Particle Dark Matter (The discovery era begins)</i> Invited Talk, American Physical Society Meeting Denver, USA	May 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Understanding the Dark Sector: Dark Matter and Dark Energy Aspen Center for Physics, Aspen, USA	April 2009
<i>Opening Talk/Introduction</i> Detecting Dark Matter in the Milky Way Workshop Case Western Reserve University, Cleveland, USA	April 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Shedding Light on Dark Matter Workshop University of Maryland, College Park, USA	Mar 2009

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- Particle Dark Matter and Charged Cosmic Rays*
International Linear Collider Workshop
University of Illinois, Chicago, USA Nov 2008
- Particle Dark Matter and Charged Cosmic Rays*
KICP Workshop on High Energy Astrophysics Experiments & Cosmological Physics
University of Chicago, Chicago, USA Oct 2008
- Direct and Indirect Searches For Particle Dark Matter*
Invited Talk, COSMO 2008
University of Wisconsin, Madison, USA Aug 2008
- Dark Matter Annihilations in the WMAP Sky*
Identification of Dark Matter 2008 Conference
University of Stockholm, Sweden Aug 2008
- Dark Matter Annihilations in the WMAP Sky*
UCLA Dark Matter 2008 Conference
University of California, Los Angeles (UCLA), USA Feb 2008
- Dark Matter Annihilations in the WMAP Sky*
Royal Astronomy Society Meeting on Dark matter
Royal Astronomy Society, London, England Nov 2007
- Dark Matter Annihilations in the WMAP Sky*
Dark Matter and Colliders Ultra-Mini Workshop
University of Edinburgh, Scotland Nov 2007
- The First Extragalactic High Energy Neutrinos*
TeV Astroparticle Physics III Workshop
Istituto Veneto, Venice, Italy Aug 2007
- Indirect Searches For Particle Dark Matter*
Invited talk, SUSY 2007
University of Karlsruhe, Germany July 2007
- The Hunt For The Identity of Dark Matter*
Fermilab User's Meeting
Fermilab, USA May 2007
- Exotic Physics With The First High Energy Cosmic Neutrinos*
Invited talk, PPC 2007 Workshop
Texas A&M University, College Station, USA May 2007
- The Hunt For Dark Matter: Conference Summary*
The Hunt For Dark Matter Workshop
Fermilab, USA May 2007
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<i>The Small Scale Structure of MeV Dark Matter</i> Pheno 2007 Symposium, University of Wisconsin, Madison, USA	May 2007
<i>The Small Scale Structure of MeV Dark Matter</i> Midwest Theory Conference University of Kansas, Lawrence, USA	April 2007
<i>Ultrahigh Energy Cosmic Ray Nuclei and Neutrinos</i> Aspen Workshop on Cosmic Rays April 2007 Aspen, USA	April 2007
<i>The Small Scale Structure of MeV Dark Matter</i> Astrophysical Probes of the Nature of Dark Matter Workshop University of California, Irvine, USA	Mar 2007
<i>Exotic Physics With The First High Energy Neutrinos</i> Aspen 2007 Meeting on Neutrinos in Physics and Astrophysics Aspen, USA	Jan 2007
<i>The Hunt For Dark Matter</i> XII-th IFT-Christmas Workshop Instituto de Fisica Teorica, Madrid, Spain	Dec 2006
<i>Kaluza-Klein Dark Matter</i> Exotic Neutrino Workshop Uppsala, Sweden	Sept 2006
<i>Direct and Indirect Detection and Supersymmetry</i> Identification of Dark Matter 2006 Rhodes, Greece	Sept 2006
<i>Neutrino Astronomy Working Group Summary Talk</i> TeV Particle-Astrophysics II Workshop University of Wisconsin, Madison, USA	Aug 2006
<i>Determining SUSY Parameters Using Dark Matter</i> TeV Particle-Astrophysics II Workshop University of Wisconsin, Madison, USA	Aug 2006
<i>Cosmology and the International Linear Collider, Summary Talk</i> Vancouver Linear Collider Workshop University of British Columbia, Vancouver, Canada	July 2006
<i>What Can We Learn About Supersymmetry From Astrophysics Experiments?</i> Cosmo/Astro Mini-Workshop University of Oregon, Eugene, USA	May 2006

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- Implications of Direct Dark Matter Experiments for MSSM Higgs Searches at the Tevatron*
Pheno 2006 Symposium
University of Wisconsin, Madison, USA
May 2006
- Probing Supersymmetric Parameters With Astrophysical Observations*
Dark Matter 2006 Conference
UCLA, Los Angeles, USA
Feb 2006
- Lecture Series on Particle Dark Matter and its Detection*
4th KAIST-KIAS Workshop on Particle Physics and Cosmology
Korea Institute for Advanced Study (KIAS), Seoul, South Korea
Oct 2005
- Probing Exotic Physics With Cosmic Neutrinos*
From Colliders to Cosmic Rays 2005 Workshop
Prague, Czech Republic
Sept 2005
- Annihilation of Heavy Dark Matter in the Galactic Center*
GLAST Collaboration Workshop
SLAC, Menlo Park, USA
Aug 2005
- Lecture Series on Particle Dark Matter and its Detection*
6th APC Summer School
Paris, France
June 2005
- Annihilation of Heavy Dark Matter in the Galactic Center*
5th International APC Workshop
Paris, France
June 2005
- Hot on the Trail of Particle Dark Matter: Indirect Searches*
Invited Talk, UK High Energy Physics Forum - Dark Matter
Abingdon, UK
May 2005
- Unexplained Astrophysics? Hints of Dark Matter?*
Invited Talk, SUSY Research Meeting (GDR)
Grenoble, France
April 2005
- Particle Dark Matter: Alternatives to Superpartners*
European Network of Theoretical Astroparticle Physics Dark Matter Visitor's Programme
CERN, Switzerland
Jan 2005
- Recent Developments in Indirect Searches for Dark Matter*
The Search for Dark Matter and Dark Energy in the Universe: Royal Society Meeting
Royal Society, London, UK
Nov 2004
- Neutrino Telescopes and Dark Matter: Beyond Neutralinos*
IceCube/AMANDA collaboration meeting
Uppsala, Sweden
Oct 2004
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<i>Indirect Searches for Kaluza-Klein Dark Matter</i> Identification of Dark Matter 2004 Edinburgh, Scotland	Sept 2004
<i>Indirect Searches for Kaluza-Klein Dark Matter</i> New Trends in Particle Physics and Cosmology Summer Workshop University of Sheffield, UK	Sept 2004
<i>Kaluza-Klein Dark Matter and the Positron Excess</i> Pheno 2004 Symposium University of Wisconsin, Madison, USA	April 2004
<i>High-Energy Neutrino Astrophysics</i> Invited Talk, Cracow Epiphany Conference on Astroparticle Physics Cracow, Poland	Jan 2004
<i>Dark Matter in Little Higgs Models</i> Oxford-Princeton Cosmology Workshop University of Oxford, UK	Jan 2004
<i>Detection of MeV Dark Matter? Astrophysics and Particle Physics Implications</i> Workshop on Dark Matter and Dark Energy Physikzentrum in Bad Honnef, Germany	Dec 2003
<i>The Possibility of MeV Dark Matter</i> UK Cosmology Meeting University of Portsmouth, UK	Nov 2003
<i>Limits on Supersymmetric Dark Matter From EGRET Observations Of The Galactic Center Region</i> COSMO 2003 Lake District, UK	Aug 2003
<i>Limits on Supersymmetric Dark Matter From EGRET Observations Of The Galactic Center Region</i> Pheno 2003 Symposium University of Wisconsin, Madison, USA	May 2003
<i>Limits on Supersymmetric Dark Matter From EGRET Observations of the Galactic Center Region</i> 34th COSPAR Scientific Assembly Houston, USA	Oct 2002
<i>Neutrinos Associated With Cosmic Rays of Top-Down Origin</i> COSMO 2002 University of Chicago, Chicago, USA	Sept 2002

- Observing Microscopic Black Holes In Neutrino Telescopes*
Pheno 2002 Symposium
University of Wisconsin, Madison, USA April 2002
- Neutrinos From The Decay Or Annihilation Of Superheavy Dark Matter Particles*
Dark Matter 2002 Conference
UCLA, Los Angeles, USA Feb 2002
- Supersymmetry And Extra Dimensions With Neutrino Telescopes*
SUSY and Extra Dimensions Workshop
Argonne National Lab, USA June 2001
- Phenomenology Of High-Energy Neutrinos In Models With Low Energy Quantum Gravity*
Pheno 2001 Symposium
University of Wisconsin, Madison, USA May 2001
- High-Energy Neutrino Signals From Gamma-Ray Bursts*
Frontiers In Contemporary Physics II Workshop
Vanderbilt University, Nashville, USA March 2001
- TeV Supersymmetric Dark Matter And Indirect Detection*
30 Years of Supersymmetry Workshop
University of Minnesota, Minneapolis, USA Oct 2000

SEMINARS AND
COLLOQUIA

<i>Dark Matter and the Search for WIMPs</i> Univeristy of Toronto, Physics Colloquium	March 2024
<i>Black Holes in the Early Universe</i> University of Toronto, CITA Seminar	February 2024
<i>The Galactic Center Gamma-Ray Excess</i> Caltech, Physics Colloquium	April 2023
<i>The Galactic Center Gamma-Ray Excess</i> University of California, Davis, Physics Colloquium	Jan 2023
<i>Dark Matter, Pulsars, and the Galactic Center Gamma-Ray Excess</i> University of Michigan, Physics Colloquium	March 2022
<i>Dark Matter, Pulsars, and the Galactic Center Gamma-Ray Excess</i> Copernicus (Virtual) Colloquium Series	Nov 2022
<i>Black Holes in the Early Universe</i> Peking University Center for High Energy Physics, (Virtual) Colloquium	Oct 2021
<i>Why I'm Excited About WIMPs</i> Texas A&M, Physics Colloquium	Sept 2021
<i>Black Holes in the Early Universe</i> Texas A&M, Theory Seminar	Sept 2021
<i>Why I'm Excited About WIMPs</i> LZ Collaboration All Hands Meeting (Virtual)	Apr 2021
<i>Dark Matter, Pulsars, and the Galactic Center Gamma-Ray Excess</i> SLAC EPP Theory Seminar	Apr 2021
<i>Black Holes in the Early Universe</i> Gran Sasso Science Institute, Astroparticle Colloquium (Virtual)	Feb 2021
<i>Black Holes in the Early Universe</i> Northern Illinois University, Physics Colloquium (Virtual)	Feb 2021
<i>Black Holes in the Early Universe</i> University of Texas, Austin, Theory Seminar (Virtual)	Sept 2020
<i>Black Holes in the Early Universe</i> Fermilab, Colloquium (Virtual)	April 2020
<i>The WIMP is Dead! Long Live the WIMP!</i> DESY Hamburg, Particle and Astroparticle Physics Colloquium	Feb 2020

<i>Dark Radiation and Dark Matter from Black Holes in the Early Universe</i> Rutgers University, High-Energy Physics Seminar	Dec 2019
<i>Dark Radiation and Dark Matter from Black Holes in the Early Universe</i> New York University, High-Energy Physics Seminar	Nov 2019
<i>The WIMP is Dead! Long Live the WIMP!</i> Indiana University, Physics Colloquium	Feb 2019
<i>The WIMP is Dead! Long Live the WIMP!</i> University of Oregon, ITS/CHEP Seminar	Feb 2019
<i>Could the Inflaton also be the Dark Matter</i> Wichita State University, Physics Seminar	Oct 2018
<i>Could the Inflaton also be the Dark Matter</i> University of Michigan, Physics Colloquium	Sept 2018
<i>The WIMP is Dead! Long Live the WIMP!</i> Case Western Reserve University, Physics Colloquium	Sept 2018
<i>The WIMP is Dead! Long Live the WIMP!</i> Brown University, Physics Colloquium	April 2018
<i>The WIMP is Dead! Long Live the WIMP!</i> Carnegie Observatories, Colloquium	Jan 2018
<i>HAWC, Nearby Pulsars and Implications for the High-Energy Universe</i> Penn State, High-Energy Physics Seminar	Dec 2017
<i>The WIMP is Dead! Long Live the WIMP!</i> University of Chicago, Astronomy and Astrophysics Colloquium	Nov 2017
<i>The WIMP is Dead! Long Live the WIMP!</i> Lawrence Berkeley National Laboratory, High-Energy Theory Seminar	Oct 2017
<i>The WIMP is Dead! Long Live the WIMP!</i> Harvard Center for Astrophysics, Colloquium	Oct 2017
<i>HAWC, Pulsars and the Cosmic-Ray Positron Excess</i> Harvard University, ITC Luncheon Talk	Oct 2017
<i>HAWC, Pulsars and the Cosmic-Ray Positron Excess</i> Los Alamos National Laboratory, Physics and Theory Division Colloquium	Oct 2017
<i>The Galactic Center Gamma-Ray Excess</i> University of Oxford, Particle Theory Seminar	April 2017

<i>New Insights Into the Cosmic-Ray Positron Excess</i> Fermilab, Particle-Astrophysics Seminar	April 2017
<i>New Insights Into the Cosmic-Ray Positron Excess</i> Fermilab, Particle-Astrophysics Seminar	April 2017
<i>Making Sense of Recent Results from Cosmic-Ray Experiments</i> Fermilab, LHC Physics Center (LPC) Forum	March 2017
<i>New Insights Into the Cosmic-Ray Positron Excess</i> University of California, Irvine, Joint Particle Seminar	March 2017
<i>Dark Matter Annihilation in the Gamma-Ray Sky</i> University of North Carolina, Physics Colloquium	Feb 2017
<i>Dark Matter Annihilation in the Gamma-Ray Sky</i> University of Maryland, Physics Colloquium	Feb 2016
<i>Dark Matter Annihilation in the Gamma-Ray Sky</i> LPTHE Campus Jussieu, Paris, Theory Seminar	Dec 2015
<i>Dark Matter Annihilation in the Gamma-Ray Sky</i> University of Wisconsin, Physics Colloquium	Oct 2015
<i>Dark Matter Annihilation in the Galactic Center</i> Laboratory Astroparticule et Cosmologie, Paris, Theory Seminar	May 2015
<i>Dark Matter Annihilation in the Galactic Center (and Dwarf Galaxies?)</i> Princeton Institute for Advanced Study, Seminar	March 2015
<i>Dark Matter Annihilation in the Galactic Center</i> Washington University, Theory Seminar	Dec 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Massachusetts Institute of Technology, Astrophysics Division Colloquium	Nov 2014
<i>Dark Matter Annihilation in the Galactic Center</i> KEK, Theory Seminar	Oct 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Argonne National Laboratory, High Energy Physics Seminar	June 2014
<i>Dark Matter Annihilation in the Galactic Center</i> Florida Institute of Technology, Physics Colloquium	Jan 2014
<i>Searching for Dark Matter in the Discovery Age</i> Purdue University, Physics Colloquium	Nov 2013

<i>Searching for Dark Matter in the Discovery Age</i> Indiana University, Physics Colloquium	Nov 2013
<i>Particle Dark Matter</i> Lectures at International PhD Course, Niels Bohr Institute, Copenhagen	Oct 2013
<i>Gamma Rays from Dark Matter in the Galactic Center and Inner Galaxy</i> University of Chicago, Physics Colloquium	Oct 2013
<i>Searching for Dark Matter in the Discovery Age</i> University of Illinois, Urbana-Champaign, Physics Colloquium	April 2013
<i>Gamma Rays from Dark Matter in the Galactic Center and Inner Galaxy</i> Fermilab Particle-Astrophysics Seminar	March 2013
<i>Searching for Dark Matter in the Discovery Age</i> Syracuse University, Physics Colloquium	Feb 2013
<i>Searching for Dark Matter in the Discovery Age</i> University of Washington, Physics Colloquium	Dec 2013
<i>Searching for Dark Matter in the Discovery Age</i> Carnegie Mellon University, High-Energy Physics Seminar	Oct 2012
<i>Dark Matter in the Discovery Age</i> Argonne National Laboratory, Astrophysics Lunch Talk	April 2012
<i>Dark Matter in the Discovery Age</i> McGill University, Physics Colloquium	March 2012
<i>Dark Matter in the Discovery Age</i> New York University, Physics Colloquium	March 2012
<i>The Empirical Case For 10 GeV Dark Matter</i> New York University, High-Energy Physics Seminar	Feb 2012
<i>The Empirical Case For 10 GeV Dark Matter</i> University of Wisconsin, Phenomenology Seminar	Feb 2012
<i>The Empirical Case For 10 GeV Dark Matter</i> Princeton Institute for Advanced Study, Astrophysics Seminar	Jan 2012
<i>The Hunt For Dark Matter</i> University of North Florida, Physics Colloquium	Jan 2012
<i>Light WIMPs!</i> Harvard University, High-Energy Physics Seminar	Dec 2011

<i>Closing in on Dark Matter</i> Case Western Reserve University, Physics Colloquium	Nov 2011
<i>Closing in on Dark Matter</i> University of Alberta, Physics Colloquium	Oct 2011
<i>Light WIMPs!</i> Northwestern University, Astrophysics Seminar	Sept 2011
<i>Light WIMPs!</i> University of Maryland, High Energy Physics Seminar	Sept 2011
<i>Light WIMPs!</i> Argonne National Laboratory, High Energy Physics Seminar	Sept 2011
<i>Light WIMPs!</i> CERN, Theory Division Seminar	May 2011
<i>Light WIMPs!</i> Ohio State, CCAPP Seminar	April 2011
<i>Light WIMPs!</i> University of California, Particle Theory Seminar.	April 2011
<i>Closing In On Dark Matter</i> University of Illinois, Urbana-Champaign, Astrophysics Colloquium	March 2011
<i>Closing In On Dark Matter</i> Illinois Institute of Technology, Physics Colloquium	Jan 2011
<i>The Observational Case For 8-10 GeV Dark Matter</i> University of California, High Energy Physics Seminar	Dec 2010
<i>The Observational Case For 8-10 GeV Dark Matter</i> Virginia Tech, Physics Colloquium	Dec 2010
<i>The Hunt For Dark Matter Continues</i> Aspen Center for Physics Colloquium	June 2010
<i>The Hunt For Dark Matter Continues</i> Uppsala University, Physics and Astronomy Colloquium	May 2010
<i>The Hunt For Dark Matter Continues</i> University of Stockholm, Joint Physics Colloquium	May 2010
<i>The Hunt For Dark Matter Continues</i> University of Texas, Austin, High Energy Physics Seminar	March 2010

<i>The Hunt For Dark Matter Continues</i> University of Chicago, Physics Colloquium	March 2010
<i>Charged Cosmic Rays And Dark Matter</i> University of Chicago, KICP Seminar	Jan 2010
<i>The Hunt For Dark Matter's Particle Identity</i> University of Notre Dame, Physics Colloquium	Sept 2009
<i>Charged Cosmic Rays And Dark Matter</i> University of Notre Dame, High Energy Physics Seminar	Sept 2009
<i>Did Dark Matter Annihilations Reionize The Universe?</i> University of Toronto (CITA), Cosmology Seminar	June 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Rutgers University, High Energy Physics Seminar	April 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Fermi National Accelerator Laboratory, Colloquium	April 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Michigan State University, Astrophysics Seminar	March 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> Stanford University, Fermi/GLAST Seminar	March 2009
<i>The Hunt For Dark Matter</i> Stanford University, Theoretical Physics Seminar	March 2009
<i>Particle Dark Matter and Charged Cosmic Rays</i> University of Chicago, KICP Colloquium	Jan 2009
<i>The Hunt For Dark Matter</i> Argonne National Laboratory, Physics Colloquium	Nov 2008
<i>The Hunt For Dark Matter</i> University of Kentucky, Lexington, Physics Colloquium	Nov 2008
<i>Hot on the Trail of Particle Dark Matter</i> University of Arizona, Tuscon, Physics Colloquium	Nov 2008
<i>Particle Dark Matter</i> University of Colorado, Boulder, TASI Lectures	July 2008
<i>Hot on the Trail of Particle Dark Matter</i> Lawrence Berkeley National Laboratory, Astrophysics Colloquium	June 2008

<i>Hot on the Trail of Particle Dark Matter</i> Brookhaven National Laboratory, High Energy Physics Seminar	May 2008
<i>Hot on the Trail of Particle Dark Matter</i> Arizona State University, Particle Physics and Astrophysics Seminar	April 2008
<i>Hot on the Trail of Particle Dark Matter</i> Los Alamos National Laboratory, Astrophysics Seminar	April 2008
<i>Hot on the Trail of Particle Dark Matter</i> Cornell University, High Energy Physics Seminar	April 2008
<i>Hot on the Trail of Particle Dark Matter</i> University of Wisconsin, Madison, Physics Colloquium	Feb 2008
<i>Hot on the Trail of Particle Dark Matter</i> Carleton University, Ottawa, Physics Colloquium	Jan 2008
<i>Hot on the Trail of Particle Dark Matter</i> University of Chicago, Astronomy and Astrophysics Colloquium	Dec 2007
<i>Hot on the Trail of Particle Dark Matter</i> Harvard University, Astronomy Colloquium	Oct 2007
<i>Dark Matter Annihilations in the WMAP Sky</i> Harvard University, Particle Physics Seminar	Oct 2007
<i>Dark Matter Annihilations in the WMAP Sky</i> University of Wisconsin, Madison, Astrophysics Seminar	Oct 2007
<i>Dark Matter Annihilations in the WMAP Sky</i> Argonne National Laboratory, Particle Physics Seminar	Oct 2007
<i>Dark Matter Annihilations in the WMAP Sky</i> University of Edinburgh, Particle Physics Colloquium	Aug 2007
<i>The Hunt For The Identity Of Dark Matter</i> Ohio University, Athens, Particle/Nuclear/Astrophysics Seminar	April 2007
<i>The Hunt For The Identity Of Dark Matter</i> Brown University, Theoretical Physics Seminar	March 2007
<i>The Hunt For The Identity Of Dark Matter</i> Columbia University, Special Seminar	March 2007
<i>Studying Supersymmetry With Dark Matter</i> DESY, Hamburg, Particle-Cosmology Seminar	Dec 2006

<i>Studying Supersymmetry With Dark Matter</i> University of Illinois, Urbana-Champaign, High-Energy Physics Seminar	Dec 2006
<i>The Hunt For Dark Matter</i> University of Wisconsin, Milwaukee, Physics Colloquium	Dec 2006
<i>Kaluza-Klein Dark Matter</i> University of Wisconsin, Milwaukee, Gravity/Particle Physics Seminar	Dec 2006
<i>Studying Supersymmetry With Dark Matter</i> Vanderbilt University, Particle-Cosmology Seminar	Nov 2006
<i>Studying Supersymmetry With Dark Matter</i> New York University, High Energy Physics Seminar	Nov 2006
<i>Studying Supersymmetry With Dark Matter</i> Perimeter Institute, Cosmology Seminar	Oct 2006
<i>Studying Supersymmetry With Dark Matter</i> University of Oxford, BIPAC Particle-Astrophysics Seminar	Sept 2006
<i>Studying Supersymmetry With Dark Matter</i> Fermi National Accelerator Laboratory, Wine and Cheese Seminar	Sept 2006
<i>Probing Exotic Physics With High-Energy Neutrinos</i> University of Kansas, Lawrence, Seminar	April 2006
<i>Hot on the Trail of Particle Dark Matter</i> University of Kansas, Lawrence, Physics Colloquium	April 2006
<i>Searching for Dark Matter</i> Massachusetts Institute of Technology, Nuclear/Particle Theory Seminar	March 2006
<i>In Search of Particle Dark Matter</i> Case Western Reserve University, Particle Astrophysics Seminar	Feb 2006
<i>In Search of Particle Dark Matter</i> University of Maryland, College Park, Seminar	Feb 2006
<i>In Search of Particle Dark Matter</i> SLAC/Stanford University, KIPAC Seminar	Feb 2006
<i>Searching for the Identity of Dark Matter</i> California Institute of Technology, Theory Seminar	Feb 2006
<i>Searching for the Identity of Dark Matter</i> Northwestern University, High Energy Physics Seminar	Jan 2006

<i>Searching for the Identity of Dark Matter</i> University of Rochester, High Energy/Nuclear Physics Seminar	Dec 2005
<i>Searching for the Identity of Dark Matter</i> University of Maryland, College Park, Elementary Particle Theory Seminar	Nov 2005
<i>Hot on the Trail of Particle Dark Matter</i> Cambridge Institute of Astronomy, Cambridge University, Colloquium	May 2005
<i>Particle Dark Matter: Alternatives to Superpartners</i> University of Sussex, Particle Physics/Cosmology Seminar	March 2005
<i>Particle Dark Matter: Alternatives to Superpartners</i> University of Lancaster, Cosmology Seminar	Feb 2005
<i>Hot on the Trail of Particle Dark Matter: Indirect Searches</i> University of Wisconsin, Madison, Phenomenology Seminar	Dec 2004
<i>Hot on the Trail of Particle Dark Matter: Indirect Searches</i> University of California, Davis, High-Energy Physics Seminar	Dec 2004
<i>Hot on the Trail of Particle Dark Matter: Indirect Searches</i> Institute for Advanced Study, Princeton, Astrophysics Seminar	Dec 2004
<i>The Particle Physics Reach of High-Energy Neutrino Astronomy</i> University of Sheffield, Astroparticle Physics and Cosmology Seminar	Nov 2004
<i>The Particle Physics Reach of High-Energy Neutrino Astronomy</i> University of Liverpool, Particle Physics Seminar	Oct 2004
<i>Recent Developments in the Indirect Detection of Particle Dark Matter</i> Imperial College, London, Astrophysics Group Seminar	May 2004
<i>Recent Developments in the Indirect Detection of Particle Dark Matter</i> Fermi National Accelerator Laboratory, Theoretical Astrophysics Seminar	May 2004
<i>Indirect Detection of Particle Dark Matter</i> Massachusetts Institute of Technology, Joint Theoretical Physics Seminar	April 2004
<i>Indirect Detection of Particle Dark Matter</i> Uppsala University, High-Energy Physics Seminar	Feb 2004
<i>Indirect Detection of Particle Dark Matter</i> Stockholm University, Astro-Particle Physics Seminar	Feb 2004
<i>Direct and Indirect Searches For Supersymmetric Dark Matter</i> Fermi National Accelerator Laboratory, Astrophysics Lunch Seminar	June 2003

Limits on Supersymmetric Dark Matter From EGRET Observations Of The Galactic Center Region

CERN, Phenomenology Journal Club

Jan 2003

Neutrinos From Gamma-Ray Bursts and Gamma-Rays From The Galactic Center

Osservatorio Astrofisico di Arcetri, Florence, Astrophysics Theory Seminar

Jan 2003

High-Energy Neutrino Astrophysics

University of Wisconsin, Wilwaukee, Theory Seminar

Nov 2002

Searches For Supersymmetry And Extra Dimensions With High-Energy Neutrino Telescopes

Fermi National Accelerator Laboratory, Astrophysics Seminar

May 2001

SELECTED PUBLIC LECTURES AND EVENTS	<i>Life Beyond Earth (Panel Moderator)</i> Chicago Humanities Festival	Nov 2023
	<i>Alan Lightman on Spirituality and Science (Panel Moderator)</i> Chicago Humanities Festival	May 2023
	<i>At the Edge of Time</i> Naperville Astronomical Society	July 2022
	<i>Saturday Morning Physics Program</i> Fermilab	2016-2021
	<i>The Biggest Mysteries in Physics</i> Online event, through New Scientist Magazine	Oct 2020
	<i>At the Edge of Time</i> Fermilab Arts and Lecture Series (Virtual)	July 2020
	<i>At the Edge of Time</i> Royal Institution, London	Feb 2020
	<i>At the Edge of Time</i> Uncommon Core, University of Chicago Alumni Event, St. Petersburg	Jan 2020
	<i>At the Edge of Time</i> Town Hall Seattle	Nov 2019
	<i>At the Edge of Time</i> Oregon Museum of Science and Industry, Portland	Nov 2019
	<i>At the Edge of Time</i> Hayden Planetarium, New York	Nov 2019
	<i>At the Edge of Time</i> Smithsonian Associates, Hirshhorn Museum, Washington	Oct 2019
	<i>Our Dark Universe</i> Science Cafe, Dark Matter Coffee, Chicago	Oct 2017
	<i>Our Evolving Universe</i> Fermilab Physics Slam	Dec 2016
	<i>Revealing the Nature of Dark Matter</i> International Conference on High Energy Physics (ICHEP), Physics Slam	Aug 2016
	<i>Revealing the Nature of Dark Matter</i> Aspen Center for Physics	Aug 2015

<i>The Mysteries of Dark Matter, Dark Energy, and the Accelerating Universe</i> Chicago Science Festival	June 2015
<i>Revealing the Nature of Dark Matter</i> Fermilab Arts and Lecture Series	Jan 2015
<i>In Search of our Universe's Missing Mass and Energy</i> Chicago Astronomical Society Meeting, Adler Planetarium	March 2014
<i>Forum on Dark Matter and Dark Energy</i> Aspen Ideas Festival	June 2013
<i>In Search of our Universe's Missing Mass and Energy</i> First Annual Duncan Lecture, Auburn University	April 2013
<i>The Higgs Boson</i> TED-X Event Talk, Naperville, IL	Nov 2012
<i>Symmetry and Beauty In Particle Physics</i> Pecha Kucha Event, RTKL Architects, Chicago	May 2012
<i>Origins</i> Zygon Center Epic of Creation Lecture Series, University of Chicago	Sept 2011
<i>Our Dark Universe</i> Mid-Atlantic Planetarium Society Annual Conference, Warminster, PA	May 2011
<i>Our Dark Universe</i> Maryland Science Center, Lanham, MD	May 2011
<i>Our Dark Universe</i> Science Cafe, The Maproom Bar, Chicago	April 2011
<i>Our Dark Universe</i> Astrofest, Chicago Astronomical Society	Sept 2010
<i>Origins</i> Zygon Center Epic of Creation Lecture Series, University of Chicago	Sept 2010
<i>In Search of our Universe's Missing Mass and Energy</i> Naperville Astronomical Society	Oct 2009
<i>Origins</i> Zygon Center Epic of Creation Lecture Series, University of Chicago	Sept 2009
<i>In Search of our Universe's Missing Mass and Energy</i> Chicago Astronomical Society	May 2009

<i>In Search of our Universe's Missing Mass and Energy</i> St. Cloud State University	Feb 2009
<i>In Search of our Universe's Missing Mass and Energy</i> Great Lakes Planetarium Association Annual Meeting, Milwaukee	Oct 2008
<i>In Search of our Universe's Missing Mass and Energy</i> Naperville Astronomical Society	May 2008
<i>In Search of our Universe's Missing Mass and Energy</i> University of South Dakota, Vermillion	May 2008
<i>In Search of our Universe's Missing Mass and Energy</i> University of Wisconsin, Madison	Feb 2008
<i>In Search of our Universe's Missing Mass and Energy</i> Fermilab Arts and Lecture Series	Nov 2007