Philip (Flip) Tanedo

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CONTACT INFORMATION	3054 Physics Building University of California Riverside, CA 92521, USA	951 827 6168 flip.tanedo@ucr.edu physics.ucr.edu/flip/
RESEARCH INTERESTS	My research focuses on models of dark matter and electroweak symmetry by nomenology at high-energy colliders and astro-particle experiments.	reaking and their phe-
EMPLOYMENT	University of California, Riverside Assistant Professor, Department of Physics & Astronomy	2016 –
	University of California, Irvine Postdoctoral Scholar, Chancellor's ADVANCE Postdoctoral Fellow	2013 - 2016
EDUCATION	Cornell University, Ithaca, New York Doctor of Philosophy (2013), Master of Science (2010) Advisor: Csaba Csáki	2008 - 2013
	Durham University (Josephine Butler College), Durham, UK Master of Science by Research	2007 - 2008
	Cambridge University (Trinity College), Cambridge, UK Master of Advanced Study in Mathematics with Merit	2006 - 2007
	Stanford University , Stanford, California Bachelor of Science in Physics and Mathematics with Honors and Distinction	2002 - 2006
FELLOWSHIPS & HONORS	UCI Chancellor's ADVANCE Postdoctoral Fellowship Ford Foundation Dissertation Fellowship, Honorable Mention Paul & Daisy Soros Fellowship for New Americans Ford Foundation Predoctoral Fellowship, Honorable Mention National Science Foundation Graduate Research Fellowship Marshall Scholarship Barry M. Goldwater Scholarship	2014 - 2015 2012 $2010 - 2012$ 2010 $2006 - 2011$ $2006 - 2008$ $2005 - 2006$
PUBLICATIONS	"Neutron stars at the dark matter direct detection frontier," N. Raj, P. TarXiv:1707.09442 [hep-ph], Submitted to Phys. Rev. Lett.	Canedo and H. B. Yu,
	"Dark Photons from Captured Inelastic Dark Matter Annihilation: Charged Particle Signatures," J. Smolinsky and P. Tanedo, Phys. Rev. D 95 no.7, 075015 (2017) arXiv:1701.03168 [hep-ph].	
	"Dark Matter Interpretation of the Fermi-LAT Observation Toward the Galactic Center," C. Karwin, S. Murgia, T. M. P. Tait, T. A. Porter and P. Tanedo, Phys. Rev. D 95 , no. 10, 103005 (2017) arXiv:1612.05687 [hep-ph].	
	"Lepton-Flavor Violating Mediators," I. Galon, A. Kwa and P. Tanedo, JE arXiv:1610.08060 [hep-ph].	IEP 1703 , 064 (2017)
	"Dark Sectors 2016:Community Report," J. Alexander et al., arXiv:1608.08	632 [hep-ph].

"Particle Physics Models for the 17 MeV Anomaly in Beryllium Nuclear Decays," J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait and P. Tanedo, Phys. Rev. D **95**, no. 3, 035017 (2017) arXiv:1608.03591 [hep-ph].

"Protophobic Fifth-Force Interpretation of the Observed Anomaly in ⁸Be Nuclear Transitions," J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait and P. Tanedo, Phys. Rev. Lett. **117**, no. 7, 071803 (2016) arXiv:1604.07411 [hep-ph].

"Kaluza-Klein gluons at 100 TeV: NLO corrections," B. Lillard, T. M. P. Tait and P. Tanedo, Phys. Rev. D **94**, no. 5, 054012 (2016) arXiv:1602.08622 [hep-ph].

"Detecting dark matter through dark photons from the Sun: Charged particle signatures," J. L. Feng, J. Smolinsky and P. Tanedo, Phys. Rev. D 93, 115036 (2016) arXiv:1602.01465 [hep-ph].

"Limiting SUSY compressed spectra scenarios," A. Nelson, P. Tanedo and D. Whiteson, Phys. Rev. D 93, 115029 (2016) arXiv:1509.08485 [hep-ex].

"Dark Photons from the Center of the Earth: Smoking-Gun Signals of Dark Matter," J. L. Feng, J. Smolinsky and P. Tanedo, Phys. Rev. D 93, 015014 (2016) arXiv:1509.07525 [hep-ph].

"On-Shell Mediators and Top-Charm Dark Matter Models for the Fermi Galactic Center Excess," A. Rajaraman, J. Smolinsky and P. Tanedo, arXiv:1503.05919 [hep-ph]; submitted to Phys. Rev. D

"2013 ESHEP lectures on Beyond the Standard Model," C. Csáki and P. Tanedo, Proceedings of the 2013 European School of High-Energy Physics, Parádfürdő, Hungary, 5–18 June 2013, edited by M. Mulders and G. Perez, CERN-2015-004 (CERN, Geneva, 2015), ISBN: 9789290834205.

"Dynamics of 3D SUSY Gauge Theories with Antisymmetric Matter," C. Csáki, M. Martone, Y. Shirman, P. Tanedo and J. Terning, JHEP 1408, 141 (2014) arXiv:1406.6684 [hep-th]

"Hidden On-Shell Mediators for the Galactic Center γ -Ray Excess," M. Abdullah, A. DiFranzo, A. Rajaraman, T. Tait, P. Tanedo and A. Wijangco, Phys. Rev. D 90, 035004 (2014) arXiv:1404.6528 [hep-ph]

"Effective theory of self-interacting dark matter," B. Bellazzini, M. Cliche and P. Tanedo, Phys. Rev. D 88, 083506 (2013) arXiv:1307.1129

"The Same-Sign Dilepton Signature of RPV/MFV SUSY," J. Berger, M. Perelstein, M. Saelim and P. Tanedo, JHEP **1304**, 077 (2013) arXiv:1302.2146 [hep-ph]

"Fundamental Physics at the Intensity Frontier," J. L. Hewett, H. Weerts, R. Brock, J. N. Butler, B. C. K. Casey, J. Collar, A. de Gouvea and R. Essig et al., arXiv:1205.2671 [hep-ex]

"The Birds and the Bs in RS: The $b \to s\gamma$ penguin in a warped extra dimension," M. Blanke, B. Shakya, P. Tanedo and Y. Tsai, JHEP 1208, 038 (2012) arXiv:1203.6650 [hep-ph]

"SUSY_FLAVOR v2: A Computational tool for FCNC and CP-violating processes in the MSSM," A. Crivellin, J. Rosiek, P. H. Chankowski, A. Dedes, S. Jaeger and P. Tanedo, Comput. Phys. Commun. 184, 1004 (2013) arXiv:1203.5023 [hep-ph]

"Goldstone Fermion Dark Matter," B. Bellazzini, C. Csaki, J. Hubisz, J. Shao and P. Tanedo, JHEP 1109, 035 (2011) arXiv:1106.2162 [hep-ph]

"Warped penguin diagrams," C. Csaki, Y. Grossman, P. Tanedo and Y. Tsai, Phys. Rev. D 83, 073002 (2011) arXiv:1004.2037 [hep-ph]

"SUSY_FLAVOR: A Computational Tool for FCNC and CP-Violating Processes in the MSSM," J. Rosiek, P. Chankowski, A. Dedes, S. Jager and P. Tanedo, Comput. Phys. Commun. 181, 2180 (2010) arXiv:1003.4260 [hep-ph]

"Complete one-loop predictions for $B_s \to \ell^+ \ell'^-$ in the MSSM", A. Dedes, J. Rosiek and P. Tanedo, Phys. Rev. D **79**, 055006 (2009) arXiv:0812.4320 [hep-ph]

CONFERENCE TALKS & INVITED **SEMINARS**

"Light mediators and terrestrial dark matter capture" New Directions in Dark Matter and Neutrino Physics, Invited Talk, Perimeter Institute, Waterloo, CA

Jul. 2017

"Models, Exotic Signatures and Proposed Searches"

XI International Conference on the Interconnection between Particle Physics and Cosmology, Invited Plenary Talk, Corpus Christi, TX May 2017

"Composite Higgs, Composite Mediators" DM at LHC, UC Irvine, CA

Apr. 2017

"New Physics in Nuclear Transitions? The 17 MeV Anomaly in ⁸Be"

Focus Workshop on Particle Physics and Cosmology, CTPU-IBS, Daejon City, Korea Dec. 2016 Beyond the Standard Model Workshop, MCTP, Ann Arbor, MI Oct. 2016 LHC Awakens: A New Energy Frontier, Aspen Center for Physics Aspen, CO

Sep. 2016

Latin American Webinars on Physics, Google Hangouts on the Air (webcast) LHC Run II Workshop, Santa Fe, NM Cornell Particle Theory Seminar, Ithaca, NY UMD Particle Theory Seminar, College Park, MD UC Davis Theory Lunch, Davis, CA SLAC Dark Sectors 2016 Workshop, Menlo Park, CA	Sep. 2016 July. 2016 May. 2016 May. 2016 May. 2016 April. 2016
"Dark Sunshine" Cal State Fullerton Physics Colloquium, Fullerton, CA CSU Long Beach, Physics Colloquium, Long Beach, CA	Mar. 2016 Mar. 2016
"Dark Photons from the Center of the Earth" UT Austin Seminar, Austin, TX UC Davis Theory Seminar, Davis, CA PIKIO Workshop, Cincinnati, OH MCTP Brown Bag Seminar, Ann Arbor, MI SLAC Theory Seminar, Menlo Park, CA UC Riverside Theory Seminar, Riverside, CA TRIUMF Theory Seminar, Vancouver, Canada UC Santa Barbara HEP Experiment & Phenomenology Seminar New Directions to Shed Light on Dark Matter, Aspen, CO SUSY 2015: 23rd Conference on SUSY & Unification, Lake Tahoe, CA Anticipating 14 TeV: Insights from the LHC & Beyond, Munich, Germany	Feb. 2017 May. 2016 Feb. 2016 Feb. 2016 Feb. 2016 Dec. 2015 Dec. 2015 Sep. 2015 Sep. 2015 Aug. 2015 Jul. 2015
"On-Shell Mediators" / "Heavy, Hidden Hooperon" Fermilab HEP Theory Seminar, Batavia, IL UC Davis HEFTI Seminar Santa Cruz Institute for Particle Physics Theory Seminar, UC Santa Cruz Santa Fe Summer Workshop: LHC After the Higgs, Santa Fe, NM UCLA HEP Theory Seminar, Los Angeles, CA UC Riverside High Energy Physics Seminar SLAC Theory Seminar, Menlo Park, CA Berkeley Center for Theoretical Physics Seminar	Dec. 2015 Mar. 2015 Mar. 2015 Jul. 2014 Jun. 2014 May 2014 May 2014 May 2014
"Charged Lepton Flavor Violation in RS" International Workshop for Charged Lepton Flavor Violation, Irvine, CA	May 2014
"Stealthy Composite Stops" Perimeter Institute Particle Physics Seminar, Waterloo, Canada	Nov. 2012
"Goldstone Fermion Dark Matter" UC Davis HEFTI Seminar Harvard Particle Theory Seminar UC Irvine Joint Particle Seminar Cornell Theory Group Seminar	Oct. 2012 Feb. 2012 Jan. 2012 Sep. 2011
"The Birds and the Bs in RS" Phenomenology 2012 Symposium, Pittsburgh, PA	May 2012
" $RS @ LHC$ " Cornell CMS Future Directions Workshop, Ithaca, NY	Jan. 2012
"Goldstone Fermion Dark Matter" SUSY 2011: 19th Conference on SUSY & Unification, Fermilab	Aug. 2011
"Flight of the Warped Penguins" Phenomenology 2011 Symposium, Madison, WI Cornell Particle Theory Lunch Seminar Maryland Theory Seminar DAMTP-Cavendish Phenomenology Seminar, Cambridge, UK	May 2011 Feb. 2011 Mar. 2011 Feb. 2011
"The Birds and the $B_s\colon B_s\to \mu\mu$ in the MSSM" Theoretical Advanced Study Institute, Boulder, co Cornell Particle Theory Lunch Seminar	Jun. 2009 Feb. 2009

IOP HEPP: Beauty Physics in the UK, Lancaster, UK	Nov. 2008
U. Ioannina Div. Theoretical Physics Journal Club, Greece	Oct. 2008
LHCb UK Meeting, Durham, UK	Dec. 2007

ORGANIZED ACTIVITIES

Southern California Beyond the Standard Model, UCR, Riverisde, CA

Main workshop organizer, the first in a series of workshops to better connect the Southern California particle physics community. The workshop was well received and we are currently planning the next workshop at UCLA with the intent of making this an annual tradition.

Apr. 2017

WORKSHOPS & CONFERENCES

Dark Matter in Southern California IV Symposium, Pasadena, CA	Con	2017
New Directions in Dark Matter and Neutrino Physics, Perimeter Institute, Waterloo, CA	Sep. Jul.	
Weak Interactions and Neutrinos, UCI, Irvine, CA	Jun.	
XI International Conference on Particle Physics and Cosmology, Corpus Christi, TX	May	
UC President's Postdoctoral Fellow Spring Retreat, Lake Arrowhead, CA	Apr.	
Dark Matter at LHC, UCI, Irvine, CA Southorn Colifornia Payand the Standard Model (arganizer) UCB. Diverside, CA	Apr.	
Southern California Beyond the Standard Model (organizer), UCR, Riverside, CA	Apr.	
Beyond WIMPs: from Theory to Detection, Simons Center, Stony Brook, NY	Mar.	
Focus Workshop on Particle Physics and Cosmology, MCTP, Ann Arbor, CTPU-IBS, Korea		
Beyond the Standard Model Workshop, MCTP, Ann Arbor, MI	Oct.	
The LHC Awakens, Aspen Center for Physics, Aspen, CO	Aug.	
Santa Fe Summer Workshop: LHC Run II, Santa Fe, NM	Jul.	
New Accelerators for the 21st Century, KITP, Santa Barbara CA	Jun.	
SLAC Dark Sectors 2016 Workshop, Menlo Park, CA	Apr.	
PIKIO Workshop, Cincinnati, OH	Feb.	
UCLA Dark Matter 2016, Westwood, CA	Feb.	
Science Hack Day: San Francisco, CA	Oct.	
UCI Data Science Initiative: Predictive Modeling in Python, Irvine, CA	Oct.	
UC PPFP Fall Conference, Oakland, CA	Sep.	
New Directions to Shed Light on Dark Matter, Aspen Center for Physics, Aspen, co	Sep.	
Supersymmetry 2015, Lake Tahoe, CA	Aug.	
MIAPP: Anticipating 14 TeV, Munich, Germany		2014
UC PPFP Academic Retreat, Lake Arrowhead, CA	Apr.	
UCI Data Science Initiative: Software Carpentry	Feb.	2015
UC PPFP 30th Anniversary Meeting, Berkeley, CA	Oct.	2014
Model Building in the LHC Era, Aspen Center for Physics	Aug.	2014
Santa Fe 2014 Summer Workshop, Santa Fe, NM	Jul.	2014
SLAC Workshop on Physics at a 100 TeV Collider, Menlo Park, CA	Apr.	2014
Dark Matter in Southern California III Symposium, Pasadena, CA	Apr.	2014
Dark Matter in Southern California II Symposium, Pasadena, CA	Sep.	2013
TeV Particle Astrophysics, Irvine, CA	Aug.	2013
Prospects in Theoretical Physics, Princeton, NJ	Jul.	2013
Communicating Science 2013, Cambridge, MA	Jun.	2013
Phenomenology 2012 Symposium, Pittsburgh, PA	May	2012
Fundamental Physics at the Intensity Frontier, Rockville, MD	Dec.	2011
Soros Fellowship for New Americans Fall Conference, OSI, New York	Oct.	2011
Supersymmetry 2011, Fermilab, Batavia, IL	Sep.	2011
First Year of the LHC, KITP, Santa Barbara, CA	Aug.	2011
SUSY Breaking '11, CERN, Geneva, Switzerland	May	2011
Phenomenology 2011 Symposium, Madison, WI	May	2011

	Solos renowship for New Americans ran Conference, OSI, New York	Oct. 2010
	Emerging problems in particle phenomenology, ITS at CUNY	Apr. 2010
	Theoretical Advanced Studies Institute, University of Colorado at Boulder	Jun 2009
	International Workshop on SUSY Breaking, Durham University IPPP	Apr. 2009
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	Young Researchers in Mathematics (Beyond Part III), Cambridge University	Apr. 2009
	ICTP School on the Gauge/Gravity Correspondence, Trieste	May 2008
	Marshall Colloquium, Association of Commonwealth Universities, London, UK,	May 2008
	5th Part III Return Conference, Cambridge University	Apr. 2008
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	IOP HEPP Group Annual Meeting, University of Lancaster	Apr. 2008
	Higgs-Maxwell Workshop: EWSB, Royal Society of Edinburgh	Feb. 2008
	Young Experimentalists and Theorists Institute, Durham University IPPP	Jan. 2008
	IPPP Annual Theory Meeting, Durham University	Dec. 2007
	UK LHCb Annual Meeting, Durham University IPPP	Dec. 2007
	Cosener's Forum on Heavy Flavor Physics, Cosener's House, Abingdon, UK	Jun. 2007
TEACHING	UC Riverside, Riverside, CA Lecturer, Physics 165: Particle Physics Lecturer, Physics 231: Methods in Theoretical Physics Lecturer, Physics 208: General Relativity Lecturer, Physics 177: Computational Methods for Physical Sciences Cornell University, Ithaca, NY Teaching Assistant, Physics 3318: Analytical Mechanics Teaching Assistant, Physics 3327: Advanced Electricity & Magnetism Course Grader, Physics 7651: Quantum Field Theory I UC Berkeley, Berkeley, CA Course Grader, Physics 137A: Quantum Mechanics Stanford University, Stanford, CA Teaching Assistant, Physics 121: Electrodynamics II	Winter 2018 Fall 2016, 2017 Winter 2017 Spring 2017, 2018 Spring 2013 Fall 2012 Fall 2011 Summer 2006 Spring 2006
	Course Grader, Physics 161: Cosmology	Spring 2006 Spring 2006
	Course Assistant, The Elementary Particles and their Fundamental Interactions	Summer 2004
	Course Assistant, The Elementary Latricles and their Fundamental Interactions	Summer 2004
RECENT PRESS	"Protophobic Fifth-Force Interpretation of the Observed Anomaly in ⁸ Be,"	
	Physical Review Letters; Altmetric attention score ¹ : 977	Aug. 2016
	"Nuclear Puzzle May Be Clue to Fifth Force", Sean Nelson UCR Today	August 17, 2016
	Featured on pinoyscientists.com (Filipino Scientists)	June 2016
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	"One Higgs is the loneliest number", Katie Elyce Jones, Symmetry Magazine	July 30, 2015
	"Hard times for theorists in a post-Higgs world", Andrew Grant, Science News	June 13, 2013
SERVICE	Referee: Physics Review D (APS)	2014, 2015
2202	Referee: European Physical Journal C (Springer)	2014, 2017
	Referee: Physics of the Dark Universe (Elsevier)	2014, 2017
	Referee: Annals of Physics (Elsevier)	2013
	Referee: Europhysics Letters (EPS)	2012
DEPARTMENT	Committee: Outreach	2017 –
SERVICE	Committee: Graduate Diversity	2017 -
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Soros Fellowship for New Americans Fall Conference, OSI, New York

Oct. 2010

¹Top 5% of all research outputs, #5 output from Phys. Rev. Lett., 99th percentile for outputs of the same age and source; http://aps.altmetric.com/details/6976772

Committee: Early Universe Hiring Committee Committee: Chair: Open House Committee Committee: Chair: Open House Committee Committee: CR-CC Bridge		Committee: Co-Chair: Summer Academy for HS teachers	2016 - 2017
COMMITTERECH CE Bridge Committee & Advising: Undergraduate Advisor COMMITTERECH COMMITTERECH A Retirement Symposium Committee & Advising: Undergraduate Advisor Organizer: ParticleBites en Espeñol, a Spanish-Isuguage physics outreach blog Spanish-Isuguage outreach blog for particle physics. Mentor: UCR GradEdge program for graduate students Discussion leader: UCR GradEdge/JumpStart summer journal club Led a journal club to proper incoming under-represented minerity grad students. Mentor: Paul & Daisy Soros Fellowship for New Americans Discussion leader: UCR GradEdge/JumpStart summer journal club Led a journal club to proper incoming under-represented minerity grad students. Mentor: Paul & Daisy Soros Fellowship for New Americans Discussion leader: UCR GradEdge/JumpStart summer journal club Led a journal club to proper incoming under-represented minerity grad students. Mentor: Paul & Daisy Soros Fellowship for New Americans Discussion leader: UCR GradEdge May 1997 Organizer: UCR Physics Black Day Organizer: UCR Physics Students Blog Suppose the community Science Have Anthrosador-Residence books with members of the community Science Have Anthrosador-Residence books with members of the community Science Have Anthrosador-Residence Book Club (Cellor Door Bookstore) Anthrosador-Residence Book Club (Cellor Door Bookstore) Blogger, organizer, editor: ParticleBites, a research digest Lecturer: Particle Physics for Undergrade (Cornell undergraduate research program) Lecturer: Particle Physics for Undergrade (Cornell undergraduate research program) Lecturer: Particle Physics for Undergrade (Cornell undergraduate research program) Blogger: UCR Summer Physics Feacher Academy "Quantum Electrodynamics with Feynman Diagrams" UCR Summer Physics Teacher Academy "Applying to Gruduate School" UCR Society of Physics Students "Data vs. Dark Matter: Opportunities for Open Science in Particle Physics'		·	
COUTREACH TALKS **I have no idea: A guide to finding your way in science** All All School Symposium talk, Riverside STEM Academy **I have no idea: Spanish Language physics outreach blog **I have no idea: Spanish Language physics outreach blog **I have no idea: Spanish Language physics outreach blog **I have no idea: Spanish Language physics outreach blog **I have no idea: I we find the prepare incoming under-represented minority grad students. **Mentor: Paul & Daisy Soros Fellowship for New Americans **Discussion leader: UC President's Fellow Spring Retreat; career navigation Organize: UCR Physics Itake Day Organize: Physical & Natural Science Book Club (Cellar Door Bookstore) Monthly discussion of popular science books with members of the community Science Ambassador: Science Hack Day San Francisco One of six invited scientists sponsored by Gordon & Betty Moore Foundation Blogger, organizer, editor: ParticleBites, a research digest Leads team of students who write about physics for the public. Blogger: US/LIC Blogs (Quantum Diaries), public outreach blog Lecturer: Particle Physics for Undergrads (Cornell undergraduate research program) Lecturer: Stanford 1818 PS/LASH! and SHEP high school courses on particle physics **I have no idea: A guide to finding your way in science** Middle School Symposium talk, Riverside STEM Academy **Quantum Electrodynamics with Ferginan Diagrams** **UCR Souchety of Physics Students **Communicating Science: San Diego, Invited Panelist **Communicating Science: San Diego, Invited Panelist **Communicating science: San Diego, Invited Panelist **Communicating writing your dissertation and finding a postdoc position** **Palalancing writing your dissertation and finding a postdoc position** **Palalancing writing your dissertation and finding a postdoc position** **Palalancing writing your dissertation and finding a postdoc position** **Palalancing writing your dissertation and finding a postdoc position** **Pale the dragons: [fairy] tales from beyond the Sta		Committee: Chair: Open House Committee	2016 -
Committee & Advising: Undergraduate Advisor 2016 – OUTHFACH Organizer: ParticleBites en Español, a Spanish-language physics outreach blog Spanish-language outreach blog for particle physics. Mentor: UCR Grad'Edge program for graduate students 2017 – Led a journal club to prepare incoming under-represente minority grad students. Mentor: Paul & Daisy Soros Followship for New Americans Discussion leader: UCR Grad'Edge/JumpStart summer journal club Club (Journal club to prepare incoming under-represente minority grad students. Mentor: Paul & Daisy Soros Followship for New Americans Discussion leader: UCP President's Fellow Spring Retreat; career navigation 2016 – Organizer: UCR Physics Hack Day San Francisco Organizer: Physical & Natural Science Book Club (Cellar Door Bookstore) Monthly discussion of popular science books with members of the community Science Ambassador: Science Hack Day San Francisco One of six invited scientists sponsored by Gordon & Betty Moore Foundation Blogger, organizer, editor: Particle Physics of Undergrads (Cornell undergraduate research program) Leads are an of students who write about physics for the public. Blogger: US/LIC Blogs (Quantum Diaries), public outreach blog Leaturer Particle Physics for Undergrads (Cornell undergraduate research program) Lecturer: Stanford ESP SPLASH! and SHEP high school courses on particle physics 2005 OUTREACH TAIKS "I have no idea: A guide to finding your way in science" Middle School Symposium talk, Riverside STEM Academy Sep. 2017 High School Symposium talk, Riverside STEM Academy Sep. 2017 UCR Society of Physics Teacher Academy Sep. 2017 UCR Society of Physics Students "Quantum Electrodynamics with Feynman Diagrams" UCR Society of Physics Students "Communicating Science: San Diego, Invited Panelist "Communicating Science: San Diego, Invited Panelist "Data ss. Dark Matter: Opportunities for Open Science in Particle Physics" Science Hack Day, San Francisco (Gordon & Betty Moore Science Ambassador) Oct. 2015 "Balancing writing your dissertati		Committee: UCR-CC Bridge	2016 - 2017
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Mentor: UGR Grad-Edge program for graduate students Discussion leader: UGR Crad-Edge program for graduate students Discussion leader: UGR Crad-Edge program for graduate students. Mentor: Paul & Daisy Soros Fellowship for New Americans Discussion leader: UGP President's Fellow Spring Retreat; career navigation Organizer: UGR Physics Hack Day Organizer: Physical & Natural Science Book Club (Cellar Door Bookstore) Monthly discussion of popular science books with members of the community Science Ambassador: Science Hack Day San Francisco One of six invited scientists sponsored by Gordon & Betty Moore Foundation Blogger, organizer, editor: ParticleBites, a research digest Leads team of students who write about physics for the public Biogger: US/LHC Blogs (Quantum Diaries), public outreach blog Lecturer: Particle Physics for Undergrads (Cornell undergraduate research program) Lecturer: Stanford FSR SPLASH! and SHEP high school courses on particle physics CUIBFACHTAIMS "I have no idea: A guide to finding your way in science" Middle School Symposium talk, Riverside STEM Academy "Quantum Electrodynamics with Feynman Diagrams" UCR Summer Physics Teacher Academy "Quantum Electrodynamics with Feynman Diagrams" UCR Science Hack Day, San Francisco (Gordon & Betty Moore Science Ambassador) "Communicating Science: San Diego, Invited Panelist "Data vs. Dark Matter: Opportunities for Open Science in Particle Physics" Science Hack Day, San Francisco (Gordon & Betty Moore Science Ambassador) Oct. 2015 "Balancing writing your dissertation and finding a postdoc position" Panelist, UCI Graduate Division & ADVACE Program "The Physics of Angels & Demons" Cornell Institute for Physics Students "The Physics of Physics Students "Applying for Graduate Elelowships Information Session" Panelist, Cornell Physics Department Oct. 2008 "Quantum penguins hint at the nature of matter and antimatter" Marshall		Committee & Advising: Undergraduate Advisor	2016 -
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Discussion leader: CCR GradEdge/JumpStart summer journal club 2017 Led a journal club to prepare incoming under-represented minority grad students. Mentor: Paul & Daisy Soros Fellowship for New Americans 2017 Torganizer: CCR Physics Hack Day 2016 Organizer: CCR Physics Hack Day 2016 Organizer: CCR Physics Hack Day 2016 Organizer: Physical & Natural Science Book Club (Cellar Door Bookstore) 2016 Monthly discussion of popular science books with embers of the community Science Ambassador: Science Hack Day San Francisco 2013 One of six invited scientists sponsored by Gordon & Betty Moore Foundation Blogger, organizer, editor: ParticleBites, a research digest 2009 2012 Lecturer: Particle Physics for Undergrads (Cornell undergraduate research program) 2012 Lecturer: Stafford Earl S PSLASH! and SHEP high school courses on particle physics 2009 Lecturer: Stafford Earl S PSLASH! and SHEP high school courses on particle physics 2009 Middle School Symposium talk, Riverside STEM Academy Sep. 2017 High School Symposium talk, Riverside STEM Academy Sep. 2017 "Quantum Electrodynamics with Feynman Diagrams" UCR Summer Physics Teacher Aeademy Jun. 2017 "Applying to Gruduate School" UCR Society of Physics Students May 2017 "Communicating Science: San Diego, Invited Panelist Sep. 2016 "Balancing writing your dissertation and finding a postdoc position" Rock Day Science Hack Day, San Francisco (Gordon & Betty Moore Science Ambassador) Oct. 2015 "Balancing writing your dissertation and finding a postdoc position" Nov. 2014 "Here be dragons: flairy latels from beyond the Standard Model" Cornell Institute for Physics Students Applying for Graduate Division & ADVACE Program Nov. 2014 "The Physics of Angels & Demons" Cornell Institute for Physics Students Applying for Graduate Fellowships Information Session" Panelist, Cornell Physics Department Oct. 2008 "Quantum penguins hint at the nature of matter and antimatter" Marshall Aid Co			2017 –
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