December 1, 2017

Rene A. Ong

Department of Physics and Astronomy
PAB 3-915, 430 Portola Plaza
University of California
Los Angeles, CA 90095, USA

(310) 825-3622 (phone)
(310) 206-2096 (FAX)
rene@astro.ucla.edu

Education:

1987	Ph.D. Physics	Stanford University Ph.D. Thesis: "Measurement of the B Hadron Lifetime." Advisor: John A. Jaros
1983	M.S. Physics	Stanford University Advisor: Martin L. Perl
1981	B.S. Physics	University of Michigan Undergraduate Thesis: "Design of an Enhanced 1 GeV Electron Neutrino Beam." Advisor: Lawrence R. Sulak

Appointments:

2001-	Professor	Department of Physics and Astronomy University of California, Los Angeles
2016	Visiting Professor	Institute for Cosmic Ray Research (ICRR) University of Tokyo Kashiwa, Japan
2015	Visiting Scientist	INAF-Milano (Brera/Merate) Milano, Italy
	Collaboratore Scientifico	INFN-Padova Padova, Italy
	Visiting Scientist	INFN-Bari Bari, Italy
2011	Directeur de Recherche	Laboratoire Leprince Ringuet Ecole Polytechnique, Palaiseau, France
2010-2011	Ernest Kempton Adams Research Fellow	Department of Physics Columbia University
2005	Visiting Scholar	Department of Physics University of Michigan
1998-2001	Associate Professor	Department of Physics & Enrico Fermi Institute University of Chicago

1991-1998	W.W. Grainger Assistant Professor	Department of Physics & Enrico Fermi Institute University of Chicago
1988-1991	Robert R. McCormick Fellow	Enrico Fermi Institute University of Chicago
1987-1988	Postdoctoral Research Associate	Research Division Stanford Linear Accelerator Center
1980-1981	Research Assistant	Department of Physics University of Michigan
1980	Research Assistant	Physics Department Brookhaven National Laboratory
1979	Research Assistant	Space Physics Research Laboratory University of Michigan

Research Interests:

- High-energy astrophysics
- Particle astrophysics
- Dark matter
- Particle physics

Honors and Awards

- Ernest Kempton Adams Research Fellow, Columbia University, 2010-11
- Outstanding Referee, American Physical Society, 2010
- Outstanding Teaching Award, Dept. of Physics and Astronomy, UCLA, 2008
- Fellow, American Physical Society, 2003
- Outstanding Teaching Award, Dept. of Physics and Astronomy, UCLA, 2002
- A.P. Sloan Foundation Fellow, 1992
- Robert R. McCormick Fellow, Enrico Fermi Institute, 1988
- Regent's Alumni Scholar, University of Michigan, 1981
- B.S. in Physics with High Honors, University of Michigan 1981
- Phi Beta Kappa, 1980

Collaboration Leadership:

2014 -	Co-Spokesperson, Cherenkov Telescope Array (CTA) Consortium
2014	Deputy Chair, CTA-US Steering Committee
2009-2013	Spokesperson, VERITAS Collaboration
2007-2009	Deputy Spokesperson, VERITAS Collaboration
2005-2007	Chair, VERITAS Executive Committee
1997-2007	PI, STACEE Project

Professional Activities

- *Reviewer:*
  Nature, Science, Physical Review Letters, Physics Letters, Physical Review D, Astrophysical Journal, Astronomy and Astrophysics, Astroparticle Physics, Nuclear Instruments and Methods, Particle Data Group

- *Reviewer:*
  National Science Foundation (PHY, AST, OPP, INT)
  Department of Energy (Office of Science)
  NASA
  National Research Council
  Research Corporation
  Cottrell Foundation
  Guggenheim Foundation
  U.S.-Israel Binational Science Foundation
  Helmholtz Association (Germany)
  CNRS (France)
  National Research Foundation (South Africa)
  Tata Institute of Fundamental Research (India)
  Swiss National Science Foundation (SNSF)

- Member: American Physical Society, American Astronomical Society

Professional Service (since 2000):

2016	International Organizing Committee, "Science with the New Generation of High Energy Gamma-ray Experiments (SciNeGHE)", October 2016, Pisa, Italy.
2016	Scientific Organizing Committee, "Cherenkov Telescope Array: the Ground-based Eyes to Observe the Gamma-ray Universe", COSPAR Event E1.20, August 2016, Istanbul, Turkey.
2016	International Advisory Committee, "Cosmic Ray International Seminar (CRIS 2016), New eyes on the Universe", July 2016, Ischia, Italy.
2014	Organizer, “Antideuteron 2014: 1st Cosmic Ray Antideuteron Workshop”, June 2014, Los Angeles CA, USA.
2013	Session Organizer “High Energy Cosmic Rays and their Propagation” at TeV Particle Astrophysics (TeVPA 2013), August 2013, Irvine CA, USA.
2012-	Committee on Astronomy and Astrophysics (CAA), Board on Physics and Astronomy, National Research Council, Washington DC.
2012	Scientific Organizing Committee, “Second Cherenkov Telescope Array LINK Meeting”, November 2012, Buenos Aires, Argentina.
2012-	Deutsches Elektronen-Synchrotron (DESY) Physics Research Committee, Hamburg, Germany.

2012	Scientific Organizing Committee, "*Gamma 2012, 5th Heidelberg International Symposium on High-Energy Gamma-ray Astronomy"*, Heidelberg, Germany, July 2012.
2012	International Advisory Committee, "9th Workshop on Science with the New Generation of High Energy Gamma-ray Experiments (SciNeGHE 2012)", June 2012, Lecce, Italy.
2011	Review, Helmholtz Alliance for Astroparticle Physics – HAP, Helmholtz Association, Karlsruhe, Germany.
2011	Committee to Assess the Deep Underground Science and Engineering Laboratory (DUSEL), National Research Council, Washington DC.
2011	Committee of Visitors (COV), NSF Astronomy (AST) Division, Washington DC.
2010-12	Scientific Advisory Committee (SAC), AStroParticle ERAnet (ASPERA), *The Roadmap for Astroparticle Physics in Europe*, Hamburg, Germany and Paris, France (http://www.aspera-eu.org/).
2009-10	*New Worlds, New Horizons in Astronomy and Astrophysics* (Astro2010: The Decadal Survey in Astronomy and Astrophysics), Panel on Particle Astrophysics and Gravitation (PAG), National Research Council, Washington D.C.
2009	*Particle Astrophysics Scientific Assessment Group (PASAG),* Sub-Panel of the High Energy Physics Advisory Panel (HEPAP), Washington D.C.
2009	Five-Year Program Review: Program "Astroparticle Physics", Research Field Structure of Matter, Helmholtz Association, Karlsruhe, Germany.
2008	Selection Committee, GLAST Fellowship (Cycle 1) Program, NASA, Washington D.C.
2006	International Organizing Committee, "*VI Rencontres du Vietnam: Particle Astrophysics*," Hanoi, Vietnam, August 2006.
2005-08	Conseil Scientifique, Laboratoire Leprince Ringuet, Ecole Polytechnique, Palaiseau, France.
2005	Nominating Committee, Division of Astrophysics (DAS) of the American Physical Society (APS), Washington DC.
2005	Organizing Committee, "*Towards a Future Ground Based Gamma Ray Observatory*," Malibu CA, October 2005.
2005	NASA Universe Exploration Strategic Roadmap Committee (SRC-8), NASA, Washington D.C.
2005	International Advisory Committee, "*Towards a Network of Atmospheric Cherenkov Detectors VII*", Palaiseau, France, April 2005.

2004	Chair, Science Assessment Group for Experiments in Non-Accelerator Physics (SAGENAP), Sub-Panel of the High Energy Physics Advisory Panel (HEPAP), Washington D.C.
2004	Organizing Committee, 2004 Meeting of the Division of Particles and Fields (DPF) of the American Physical Society (APS), Riverside CA, August 2004.
2003-04	Director's Review, Physics Division, Lawrence Berkeley National Laboratory (LBNL), Berkeley CA.
2003	Reviewer, "*Connecting Quarks with the Cosmos, Eleven Science Questions for the New Century*," Committee on the Physics of the Universe, National Research Council, Washington D.C.
2003-07	Gamma Ray Large Area Space Telescope (GLAST) User's Committee, NASA, Washington D.C.
2003-07	Astronomy and Astrophysics Advisory Committee (AAAC) for NSF, NASA, and DOE, Washington D.C.
2003-07	Experimental Program Advisory Committee (EPAC) for Stanford Linear Accelerator Center (SLAC), Stanford CA.
2003	High Energy Physics Facilities Committee, Sub-Panel of the High Energy Physics Advisory Panel (HEPAP), Washington D.C.
2003	Session Organizer, April Meeting of the American Physical Society (APS), Joint DAP/DPF Session, Philadelphia PA, April 2003.
2002-04	High Energy Physics Advisory Panel (HEPAP) for DOE and NSF, Washington D.C.
2002-04	Universities Research Association (URA) Visiting Committee for Fermi National Accelerator Laboratory (FNAL), Batavia IL.
2002	"*Neutrinos and Beyond*", the Neutrino Facilities Assessment Committee (NFAC), National Research Council, Washington D.C.
2002	Scientific Advisory Committee, Int. Symposium: "*The Universe Viewed in Gamma Rays*," Kashiwa, Japan, September 2002.
2002	Program Committee, SPIE International Symposium on Astronomical Telescopes and Instrumentation, Waikoloa HI, August 2002.
2001	Long Range Planning for High Energy Physics, Sub-Panel of the High Energy Physics Advisory Panel (HEPAP), Washington D.C.
2001	Organizing Committee, Snowmass 2001, "*The Future of Particle Physics*", Snowmass CO, July 2001.
2000-02	Scientific Assessment Group for Experiments in Non-Accelerator Physics (SAGENAP) for DOE and NSF, Washington D.C.

2000	Committee of Visitors (COV), NSF Physics (PHY) Division, Washington D.C.
2000-02	High Energy Neutrino Astrophysics Panel (HENAP) of the Particle and Nuclear Astrophysics and Gravitation Interaction Committee (PANAGIC).
2000	Portfolio Allocation Review (PAR), NSF Astronomy (AST) Division, Washington D.C.
2000	*Astronomy and Astrophysics in the New Millennium* (Decadal Survey in Astronomy and Astrophysics), Panel on High Energy Astrophysics from Space (HEAS), Panel on Particle, Nuclear, and Gravitational Wave Astrophysics (PNGWA), National Research Council, Washington D.C.

Postdoctoral Research Associates:

(Most recent position given in parentheses)

2018-	Sean Quinn (Postdoctoral Researcher, UCLA)
2015-	Ralph Bird (Postdoctoral Researcher, UCLA)
2012-15	Taylor Aune (Scientific Software Engineer, The Climate Corporation)
2009-12	Pratik Majumdar (Associate Professor, SAHA Institute of Nuclear Physics)
2009-15	Isaac Mognet, (Research Scientist, Penn State University)
2005-10	Amanda Weinstein (Associate Professor, Iowa State University)
2002-06	Jeffrey Zweerink, (Research Physicist, UCLA)
2000-02	Jim Hinton (Director, Max-Planck Institute fur Kernphysik, Heidelberg)
1997-99	Zoa Conner (private industry)
1995-98	Mark Chantell (Teaching Staff, University of Chicago)
1994-97	Lucy Fortson (Assoc. Professor, University of Minnesota)
1992-97	Brian Fick (Professor, Michigan Technical University)
1992-06	Kevin Green (Technical Staff, Castlebridge LLC).
1991-03	Corbin Covault (Professor, Case Western Reserve University)

Graduate Students:

(Most recent position given in parentheses)

Jamie Ryan	UCLA Astronomy
Matt Buchovecky	UCLA Physics
Alexis Popkow	Ph.D. Physics UCLA 2016 “Very-High-Energy Astrophysical Processes in the Cygnus Region of the Milky Way” (Postdoctoral Research Associate, University of Hawaii)
Ken Chow	Ph.D. Physics UCLA 2010 “A Deep Survey of the Galactic Plane at Very High Energies,” (private industry).

Ozlem Celik	Ph.D. Physics UCLA 2008 “Observations of the Crab Nebula and Pulsar with VERITAS,” (Data Scientist, Accenture)
Alex Jarvis	Ph.D. Physics UCLA 2008 “Observations of Gamma-Ray Bursts by STACEE,” (Analyst, Mindspark Interactive Network, Inc.)
Jennifer Carson	Ph.D. Astronomy, UCLA, 2005 “STACEE Observations of Markarian 421 above 100 GeV and a New Method for High-Energy Spectral Analysis.” (Professor, Claremont Colleges)
Scott Oser	Ph.D. Physics, Univ. of Chicago, 1999 “High Energy Gamma-Ray Observations of the Crab Nebula and Pulsar with the Solar Tower Atmospheric Cherenkov Effect Experiment.” (Professor, University of British Columbia)
Joseph Fowler	Ph.D. Physics, Univ. of Chicago, 1998 “Composition and Spectrum of Cosmic Rays at the Knee Measured by the CASA-BLANCA Experiment.” (Senior ARRA Fellow, NIST)

External Thesis Reviewer:

Riccardo Munini	Tesi Dottorato (Ph.D.), 2016 "Solar Modulation of Cosmic Ray Electrons and Positrons Measured by the PAMELA Experiment during the 23rd Solar Minimum" Facolta di Scienze Matematiche, Fisiche e Naturali University of Trieste, Trieste, Italy
Pierre Brun	Habilitation a Diriger les Recherches (H.D.R.), 2014 "The High-Energy Universe as a Laboratory for Particle Physics" Universite Paris VII, Paris, France
Berrie Giebels	Habilitation a Diriger les Recherches (H.D.R), 2011 "A Contribution to Gamma-ray Astronomy of GeV-TeV Active Galaxies with Fermi and H.E.S.S." Universite Paris Sud 11, Orsay, France
Mathieu de Naurois	These de Doctorat (Ph.D.), 2000 "L'experience Celeste: ouverture d'une nouvelle fenetre d'observation entre 20 GeV et 300 GeV" Universite Paris VI, Paris, France
Berrie Giebels	These de Doctorat (Ph.D.), 1998 "Contribution a la Reconversion d'une Centrale Solaire en un Vaste Detecteur pour l'Astronomie Gamma" Universite de Bordeaux 1, Bordeaux, France

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Refereed Publications:

235. "Science with the Cherenkov Telescope Array," B.S. Acharya et al., arXiV:1709.07997, to be published by World Scientific (2017).

234. "Multiwavelength Follow-up of a Rare IceCube Neutrino Multiplet," M.G. Aartsen *et al.,* accepted for publication in Astron. and Astrophys. (2017).

233. "Discovery of Very-high-energy Emission from RGB J2243+203 and Derivation of its Redshift Upper Limit," A.U. Abeysekara *et al*., Astrophys J. Suppl. **233**, 7 (2017).

232. "Very-High-Energy Gamma-Ray Observations of the Blazar 1ES 2344+514 with VERITAS," C. Allen *et al*., MNRAS **471**, 2117 (2017).

231. "Multiband Variability Studies and Novel Broadband SED Modeling of Mrk 501 in 2009," M.L. Ahnen *et al*., Astron. and Astrophys. **603**, 31 (2017).

230. "Gamma-ray Observations under Bright Moonlight with VERITAS," S. Archambault *et al.,* Astroparticle Phys. **91**, 34 (2017).

229. "Dark Matter Constraints from a Joint Analysis of Dwarf Spheroidal Galaxy Obsevations with VERITAS," S. Archambault *et al*., Phys. Rev. **D95**, 2001 (2017).

228. "A Luminous and Isolated Gamma-Ray Flare from the Blazar B2 1215+30," A.U. Abeysekara *et al*., Astrophys. J. **836**, 205 (2017).

227. "Gamma-Ray Observations of Tycho's Supernova Remnant with VERITAS and Fermi, S. Archambault *et al*., Astrophys. J. **836**, 23 (2017).

226. "Search for Magnetically Broaded Cascade Emission from Blazars with VERITAS," S. Archambault *et al*., Astrophys. J. **835**, 288 (2017).

225. "A Search for Spectral Hysteresis and Energy-dependent Time Lags from X-Ray and TeV Gamma-RAY Observations of Mrk 421, A.U. Abeysekara *et al*., Astrophys. J. **834**, 2 (2017).

224. "Very High-Energy Gamma-Ray Follow-Up Program Using Neutrino Triggers from IceCube," M.G. Aartsen *et al*, Journal of Instrumentation **11**, P11009 (2016).

223. "A Search for Very High Energy Gamma Rays from the Missing Link Binary Pulsar J1023+0038 with VERITAS," E. Aliu *et al*, Astrophys. J. 831, 193 (2016).

222. "Very High Energy Observations of the Binaries V 404 Cyg and 4U 0115+634 during Giant X-Ray Outbursts," A. Archer *et al*., Astrophys. J**. 831**, 113 (2016).

221. "Very High Energy Outburst of Markarian 501 in May 2009," E. Aliu *et al*., Astron. and Astrophys**. 594**, 76 (2016).

220. “Discovery of Very High Energy Gamma Rays from 1ES 1440+122,” S. Archambault *et al*., MNRAS **461**, 202 (2016).

219. “VERITAS and Multiwavelength Observations of the BL Lacertae Object IES 1741+196,” A.U. Abeysekara *et al*., MNRAS **459**, 2550 (2016).

218. "Upper Limits from Five Years of Blazar Observations with the VERITAS Cherenkov Telescopes," S. Archambault *et al*., Astronomical J. **151**, 142 (2016).

217. "TeV Gamma-Ray Observations of the Galactic Center Ridge by VERITAS," A. Archer *et al*., Astrophys. J. **821**, 129 (2016).

216. “Review of the Theoretical and Experimental Status of Dark Matter Identification with Cosmic-Ray Antideuterons,” T. Aramaki *et al*., Physics Reports **618**, 1 (2016).

215. "Multiwavelength Study of Quiescent States of Mrk 421 with Unprecedented Hard X-Ray Coverage Provided by NuSTAR in 2013," M. Balokovic *et al*., Astrophys. J. **819**, 156 (2016).

214. "A Search for Brief Optical Flashes Associated with the SETI Target KIC 8462852," A. Abeysekara *et al*., Astrophy. J. **818**, L33 (2016).

213. “Antideuteron Sensitivity for the GAPS Experiment,” T. Aramaki *et al.,* Astroparticle Phys. **74**, 6 (2016).

212. "Exeptionally Bright Flares from the Binary LS I +61 303," S. Archambault *et al*., Astrophys. J. **817**, L7 (2016).

211. Gamma-Rays from the Quasar PKS 1441+25: Story of an Escape," A. Abeysekara *et al*., Astrophys. J. **815**, L22 (2015).

210. “First NuSTAR Observations of Mrk 501 within a Radio to TeV Multi-Instrument Campaign,” A. Furniss *et al*., Astrophys. J. **812**, 65 (2015).

209. “VERITAS Detection of Gamma-ray Flaring Activity from the BL Lac Object 1ES 1727+502 During Bright Moonlight Observations,” S. Archambault *et al*., Astrophys. J **808**, 110 (2015).

208. “Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010,” J. Aleksic *et al*., Astron. and Astrophys. **578**, 22 (2015).

207. “The 2009 Multiwavelength Campaign on Mrk 421: Variability and Correlation Studies,” J. Aleksic *et al*., Astron. and Astrophys. **576**, 126 (2015).

206. “The Cherenkov Telescope Array potential for the Study of Young Supernova Remnants,” B.S. Acharya *et al*., Astroparticle Phys. **62,** 152 (2015).

205. “A Search of Pulsations from Geminga Above 100 GeV with VERITAS,” E. Aliu *et al.,* Astrophys. J. **800**, 61 (2015).

204. “The most powerful flaring activity from the NLSy1 PMN J0948+0022,” F. D’Ammando *et al.,* MNRAS **446,** 2456 (2015).

203 “VERITAS Observations of the BL Lac Object PG 1553+113,” E. Aliu *et a*l., Astrophys. J. **799**, 7 (2015).

202. “Multiwavelength Observations of Mrk 501 in 2008,” J. Aleksic *et al*., Astron. and Astrophys. **573**, 50 (2015).

201. “Investigating Broadband Variability of the TeV Blazar 1ES 1959+650,” E. Aliu *et al.,* Astrophys. J. **797**, 89 (2014).

200. “Constraints on Very High Energy Emission from GRB 130427A,” E. Aliu *et al.,* Astrophys. J**. 795**, L3 (2014).

199. “Very-high Energy Observations of the Galactic Center Region by VERITAS in 2010-2012,” A. Archer *et al*., Astrophys. J. **790,** 149 (2014).

198. “Potential for Precision Measurement of Low-energy Antiprotons with GAPS for Dark Matter and Primordial Black Hole Physics,” T. Aramaki *et al*., Astroparticle Phys. **59**, 12 (2014).

197. “Test of Models of the Cosmic Infrared Background with Multiwavelength Observations of the Blazar 1ES 1218+30.4 in 2009,”, S. Archambault *et al*., Astrophys. J. **788**, 158 (2014).

196. “Spatially Resolving the Very High Energy Emission from MGRO J2019+37 with VERITAS,” E. Aliu *et al.,* Astrophys. J. **788**, 78 (2014).

195. “Investigating the TeV Morphology of MGRO J1908+06 with VERITAS,” E. Aliu *et al.,* Astrophys. J. **787**, 166 (2014).

194. “Highlights from VERITAS on VHE Gamma-ray Sources in our Galaxy,” Rene A. Ong, Adv. Space Res. **53**, 1483 (2014).

193. “The pGAPS Experiment: an Engineering Balloon Flight of Prototype GAPS,” Hideyuki Fuke, Rene A. Ong, *et al*., Adv. Space Res. **53**, 1432 (2014).

192. “Deep Broadband Observations of the Distant Gamma-Ray Blazar PKS 1424+240,” S. Archambault *et al*., Astrophys. J. **785**, 16 (2014)

191. “Observations of the Unidentified Gamma-Ray Source TeV J2032+4130 by VERITAS,” E. Aliu *et al*., Astrophys. J. **783**, 16 (2014).

190. “A Three-year Multi-wavelength Study of the Very-high-energy γ-Ray Blazar 1ES 0229+200,” E. Aliu *et al.,* Astrophys. J. **782**, 13 (2014).

189. “The Flight of the GAPS Prototype Experiment,” P. von Doetinchem *et al.,* Astroparticle Phys. **54,** 93 (2014).

188. “Observation of Markarian 421 in TeV Gamma Rays over a 14-Year Time Span,” V.A. Acciari *et al.,* Astroparticle Phys. **54**, 1 (2014).

187. “The Prototype GAPS (pGAPS) Experiment,” S.A.I. Mognet *et al*., Nucl. Inst. Meth. Phys. Res. A, **735**, 24 (2014).

186. “A Search for Enhanced Very High Energy Gamma-Ray Emission from the 2013 March Crab Nebula Flare,” E. Aliu *et al.,* Astrohys. J. **781**, 11 (2014).

185. “Long-term TeV and X-Ray Observations of the Gamma-Ray Binary HESS J0632+057,” E. Aliu *et al*., Astrophys. J. **780**, 168 (2014).

184. "Astroparticle Physics," Rene A. Ong, Nobel Symposium **154**, Physica Scripta T158, 014022 (2013).

183. “VERITAS Observations of the Microquasar Cygnus X-3,” S. Archambault *et al.,* Astrophys. J. **779**, 150 (2013).

182. “Long Term Observations of B2 1215+30 with VERITAS”, E. Aliu *et al.,* Astrophys. J. **779**, 92 (2013).

181. “Multiwavelength Observations of the TeV Binary LS I +61° 303 with VERITAS, Fermi-LAT, and Swift/XRT during a TeV Outburst,” E. Aliu *et al*., Astrophys. J. **779**, 88 (2013).

180. “Discovery of a New TeV Gamma-Ray Source: VER J0521+211,” S. Archambault *et al.,* Astrophys. J. **776**, 69 (2013).

179. “Multiwavelength Observations and Modeling of 1ES 1959+650 in a Low Flux State, E. Aliu *et al*., Astrophys. J. **775**, 3 (2013).

178. “Discovery of TeV Gamma-ray Emission toward Supernova Remnant SNR G78.2+2.1,” E. Aliu *et al*., Astrophys. J. **770**, 93 (2013).

177. “Introducing the CTA Concept,“ B.S. Acharya *et al.,* Astroparticle Phys. **43**, 3 (2013).

176. “Discovery of TeV Gamma-ray Emission from CTA 1 by VERITAS,” E. Aliu *et al.,* Astrophys. J. **764**, 38 (2013).

175. “Rapid TeV Gamma-ray Flaring of BL Lacertae,” T. Arlen *et al*., Astrophys. J. **762**, 92 (2013).

174. “Antideuteron based Dark Matter Search with GAPS: Current Progress and Future Prospects,” C. J. Hailey *et al*., Adv. Space Res. **51**, 290 (2012).

173. “Search for a Correlation between Very-high-energy Gamma Rays and Giant Radio Pulses in the Crab Pulsar,” E. Aliu *et al*., Astrophys. J. **760**, 136 (2012).

172. “VERITAS Observations of Six Bright, Hard-spectrum Fermi-LAT Blazars,” E. Aliu *et al.,* Astrophys. J. **759**, 102 (2012).

171. “Constraints on Cosmic Rays, Magnetic Fields, and Dark Matter from Gamma-ray Observations of the Coma Cluster of Galaxies with VERITAS and Fermi,” T. Arlen *et a*l., Astrophys. J. **757**, 123 (2012).

170. “Multiwavelength Observations of the AGN 1ES 0414+009 with VERITAS, Fermi-LAT, Swift-XRT and MDM,” E. Aliu *et al*., Astrophys. J. **755**, 118 (2012).

169. “VERITAS Observations of the Nova in V407 Cygni,” E. Aliu *et al*., Astrophys. J. **754**, 77 (2012).

168. “Discovery of High-Energy and Very High-Energy Gamma-ray Emission from the Blazar RBS 0413,” E. Aliu *et al*., Astrophys. J. **750**, 94 (2012).

167. “VERITAS Deep Observations of the Dwarf Spheroidal Galaxy Segue 1,” E. Aliu *et al*., Phys. Rev. **D85**, 062001 (2012). Erratum: Phys. Rev. **D91**, 129903 (2015).

166. “The 2010 Very High Energy Gamma-ray Flare and Ten Years of Multiwavelength Observations of M 87,” A. Abramowski *et al*., Astrophys. J. **746**, 151 (2012).

165. “VERITAS Observations of Day-scale Flaring of M 87 in 2010 April,” E. Aliu et al., Astrophys. J. **746**, 141 (2012).

164. “VERITAS Observations of Gamma-ray Bursts Detected by Swift,” V.A. Acciari *et al*., Astrophys. J. **743**, 62 (2012).

163. “Multiwavelength Observations of the Previously Unidentified Blazar RX J0648.7+1516,” E. Aliu *et al*., Astrophys. J. **742**, 127 (2012).

162. “Design Concepts for the Cherenkov Telescope Array CTA: an Advanced Facility for Ground-Based High-Energy Gamma-ray Astronomy,” M. Actis *et al*., Experimental Astronomy **32**, 193 (2011).

161. “Detection of Pulsed Gamma Rays Above 100 GeV from the Crab Pulsar,” E. Aliu *et al.,* Science **334**, 69 (2011).

160. “VERITAS Observations of the Unusual Extragalactic Transient Swift J164449.3+573451,” V.A. Acciari *et al*., Astrophys. J. **738**, L30 (2011).

159. “Multiwavelength Observations of the Very High Energy Blazar 1ES 2344+514,” V.A. Acciari *et al*., Astrophys. J. **738**, 169 (2011).

158. “TeV and Multiwavelength Observations of Mrk 421 in 2006-2008,” V.A. Acciari *et al.,* Astrophys. J. **738**, 25 (2011).

157. “VERITAS Observations of the TeV Binary LS I+61 303 During 2008-2010,” V.A. Acciari *et al*., Astrophys. J. **738**, 3 (2011).

156. “Gamma-ray Observations of the Be/Pulsar Binary 1A 0535+262 During a Giant X-ray Outburst,” V.A. Acciari *et al.,* Astrophys. J. **733**, 96 (2011).

155. “Discovery of TeV Gamma-ray Emission from Tycho’s Supernova Remnant,” V.A. Acciari *et al*., Astrophys. J. **730**, L20 (2011).

154. “Very High-Energy Observations of the two high-frequency peaked BL Lac Objects 1ES 1218+304 and H1426+428,” C. Mueller *et al*., Astroparticle Phys. **34**, 674 (2011).

153. “Spectral Energy Distribution of Markarian 501: Quiescent State Versus Extreme Outburst,” V.A. Acciari *et al*., Astrophys. J. **729**, 2 (2011).

152. “Insights into the High-Energy Gamma-Ray Emission of Markarian 501 from Extensive Multifrequency Observations in the Fermi Era,” A.A. Abdo *et al*., Astrophys. J. **727**, 129 (2011).

151. “Results from the first two years of VERITAS Observations,” F. Krennrich *et al*., Nucl. Instr. Meth. Phys. Res. **A630**, 16 (2011).

150. “Multiwavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008 October,” A.A. Abdo *et al*., Astrophys. J. **726**, 43 (2011).

149. “Antideuterons as an Indirect Dark Matter Signature: Si(Li) Detector Development and a GAPS Balloon Mission, T. Aramaki *et al*., Adv. Space Res. **46**, 1349 (2010).

148. “Very High Energy Observations of Gamma-ray Bursts with STACEE,” A. Jarvis, R.A. Ong, D.A. Williams *et al*., Astrophys. J. **722**, 862 (2010).

147. “VERITAS Search for VHE Gamma-ray Emission from Dwarf Spheroidal Galaxies,” V.A. Acciari *et al*., Astrophys. J. **720**, 1174 (2010).

146. “Discovery of VHE Gamma-Ray Emission from the SNR G54.1+0.3,” V.A. Acciari *et al.,* Astrophys. J. **719**, L69 (2010).

145. “VERITAS 2008-2009 Monitoring of the Variable Gamma-ray Source M 87,” V.A. Acciari *et al*., Astrophys. J. **716**, 819 (2010).

144. “Discovery of Gamma-ray Emission from the Blazar RGB J0710+591,” V.A. Acciari *et al*., Astrophys. J. **715**, L49 (2010).

143. “Observations of the Shell-type Supernova Remnant Cassiopeia A at TeV Energies with VERITAS,” V.A. Acciari *et al.,* Astrophys. J. **714**, 163 (2010).

142. “Discovery of Variability in the Very High Energy Gamma-ray Emission of 1ES 1218+304 with VERITAS,” V.A. Acciari *et al*., Astrophys. J. **709**, L163 (2010).

141. “Discovery of Very High Energy Gamma Rays from PKS 1424+240 and Multiwavelength Constraints on its Redshift,” V.A. Acciari *et al*., Astrophys. J. **708**, L100 (2010).

140. “Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3,” A.A. Abdo *et al*., Science **326**, 1512 (2009).

139. “A Connection between Star Formation Activity and Cosmic Rays in the Starburst Galaxy M82,” V.A. Acciari *et al*., Nature **462**, 770 (2009).

138. “Multiwavelength Observations of a TeV-Flare from W Comae,” V.A. Acciari *et al.,* Astrophs. J. **707**, 612 (2009).

137. “VERITAS Upper Limit on the VHE Emission from the Radio Galaxy NGC 1275,” V.A. Acciari *et al*., Astrophys. J. **706**, L275 (2009)

136. "Detection of Extended VHE Gamma-Ray Emission from G106.3+2.7 with VERITAS," V.A. Acciari *et al*., Astrophys. J. **703**, L6 (2009).

135. "Simultaneous Multiwavelength Observations of Markarian 421 During Outburst," V.A. Acciari *et al*., Astrophys. J. **703**, 169 (2009).

134. "Radio Imaging of the Tera-electron Volt Emission Region in the Central Engine of a Radio Galaxy," V.A. Acciari *et al*., Science **325**, 444 (2009).

133. "Multiwavelength Observations of LS I +61 303 with VERITAS, Swift, and RXTE," V.A. Acciari *et al*., Astrophys. J. **700**, 1034 (2009).

132. "Observation of Extended Very High Energy Emission from the Supernova Remnant IC 443 with VERITAS," V.A. Acciari *et al*., Astrophys. J. **698**, L133 (2009).

131. "Evidence for Long-Term Gamma-Ray and X-ray Variability from the Unidentified TeV Source HESS J0632+057, V.A. Acciari *et al*., Astrophys. J. **697**, L94 (2009).

130. "High Energy Particle Astronomy", Focus Issue, edited by Rene A. Ong and Corbin E. Covault, New Journal of Physics **11**, 055003 (2009).

129. "OSETI with STACEE: A Search for Nanosecond Optical Transients from Nearby Stars," D.S. Hanna *et al*., Astrobiology **9**, 345 (2009).

128. "VERITAS Observations of the BL Lac Object 1ES 1218+304," V.A. Acciari *et al*., Astrophys. J. **695**, 1370 (2009).

127. "Multiwavelength Observations of Markarian 421 in 2005-2006," D. Horan *et al*., Astrophys. J. **695**, 596 (2009).

126. "VERITAS Observations of a Very High Energy Gamma-ray Flare from the Blazar 3C 66A," V.A. Acciari *et al*., Astrophys. J. **693**, L104 (2009).

125. "Pulsed Very High Energy Gamma-ray Emission Constraints for PSR B1951+32 from STACEE Observations," J. Zweerink *et al*., Astrophys. J. **693**. 1128 (2009).

124. "The June 2008 Flare of Markarian 421 from Optical to TeV Energies," L. Donnarumma *et al*., Astrophys. J. **691**, L13 (2009).

123. "Discovery of Very High Energy Gamma-ray Radiation from the BL Lac 1ES 0806+524," V. Acciari *et al.,* Astrophys. J. **690**, L126 (2009).

122. "Search for Dark Matter Annihilation in Draco with STACEE," D.D. Driscoll *et al*., Phys. Rev. **D78**, 087101 (2008).

121. "VERITAS Discovery of >200 GeV Gamma-ray Emission from the Intermediate-Frequency-Peaked BL Lacertae Object W Comae," V. A. Acciari *et al.,* Astrophys. J. **684,** L73 (2008).

120 "VERITAS Observations of the Gamma-Ray Binary LS I+61 303", V.A. Acciari *et al*., Astrophys. J. **679**, 1427 (2008).

119. “Observation of Gamma-Ray Emission from the Galaxy M87 above 250 GeV with VERITAS,” V.A. Acciari *et al*., Astrophys. J. **679**, 397 (2008).

118. “A Search for Dark Matter Annihilation with the Whipple 10m Telescope,” M. Wood *et al*., Astrophys. J. **678,** 594 (2008).

117. “First Results from VERITAS,” D. Hanna *et al*., Nucl. Instrum. Meth. Phys. Res. **A588**, 26 (2008).

116. “Multiwavelength Observations of Markarian 421 in March 2001: an Unprecedented View on the X-ray/TeV Correlated Variability,” G. Fossati *et al*., Astrophys. J. **677**, 906 (2008).

115. “Very High Energy Observations of the BL Lac Objects 3C 66A and OJ 287,”T. Lindner, D.S. Hanna, J. Kildea *et al*., Astroparticle Phys. **28**, 338 (2007).

114. “The Whipple Observatory 10m Gamma-ray Telescope, 1997-2006”, J. Kildea *et al*., Astroparticle Phys. **28**, 182 (2007).

113. “The Energy Spectrum of the Blazar Markarian 421 Above 130 GeV,” J.E. Carson, J. Kildea, R.A. Ong *et al*., Astrophys. J. 662, 199 (2007).

112. “Whipple 10m Observations of LSI +61 303: 2004-2006,” A. Smith *et al*., Astrophys. and Space Science **309**, 299 (2007).

111. “Observations of the Unidentified TeV Gamma-Ray Source TeV J2032+4130 with the Whipple Observatory 10 m Telescope,” A. Konopelko *et al*., Astrophys. J. **658**, 1062 (2007).

110. “Very High Energy Observations of the Gamma-Ray Burst Locations with the Whipple Telescope,” D. Horan *et al*., Astrophys. J. **655**, 396 (2007).

109. “TeV Gamma-Ray Observations of the Perseus and Abell 2029 Galaxy Clusters,” J.S. Perkins *et al*., Astrophys. J. **644**, 148 (2006).

108. “The First VERITAS Telescope,” J. Holder *et al*., Astroparticle Phys. **25**, 391 (2006).

107. “A New Search for Primordial Black Hole Evaporations using the Whipple Gamma-Ray Telescope,” E.T. Linton *et al.*, Journal of Cosmology and Astroparticle Physics **01**, 013 (2006).

106. “The STACEE Ground-Based Gamma-ray Detector,” D. M. Gingrich et al., IEEE Trans. Nucl. Sci**. A52**, 2977 (2005).

105. “A Multiwavelength View of the TeV Blazar Markarian 421: Correlated Variability, Flaring, and Spectral Evolution,” M. Blazejowski *et al*., Astrophys. J. **630**, 130 (2005).

104. “Observations of the BL Lac Object 3C 66A with STACEE”, D.A. Bramel *et al*. Astrophys. J. **629**, 108 (2005).

103. “A Survey of Unidentified EGRET Sources at Very High Energies”, S.J. Fegan *et al*., Astrophys. J. **624**, 638 (2005).

102. “Spectrum of Very High Energy Gamma Rays from the Blazar 1ES 1959+650 During Flaring Activity in 2002,” M.K. Daniel *et al*., Astrophys. J. **621**, 181 (2005).

101. “A Search for TeV Gamma-Ray Emission from High-Peaked Flat-Spectrum Radio Quasars using the Whipple Air Cherenkov Telescope,” A.D. Falcone *et al*., Astrophys. J. **613**, 710 (2004).

100. “Observation of M87 at 400 GeV with the Whipple 10 Meter Telescope,” S. LeBohec *et al.,* Astrophys. J. **610**, 156 (2004).

99. “TeV Gamma-Ray Observations of the Galactic Center,” K. Kosack *et al.,* Astrophys. J. **608**, L97 (2004).

98. “High-Energy Gamma-Ray Observations of W Comae with the Solar Tower Atmospheric Cherenkov Effect Experiment (STACEE),” R.A. Scalzo *et al.,* Astrophys. J. **607**, 778 (2004).

97. “Astrophysics around 100 GeV with STACEE,” D.A. Williams *et al.,* New Astr. Rev. **48**, 359 (2004).

96. “VERITAS: the Very Energetic Radiation Imaging Telescope Array System,” F. Krennrich *et al.,* New Astr. Rev. **48**, 345 (2004).

95. “Constraints on the Very High Energy Emission from BL Lacertae Objects,” D. Horan *et al*., Astrophys. J. **603**, 51 (2004).

94. “Search for High-Energy Gamma Rays from an X-ray Selected Blazar Sample,” I. de Calle Perez *et al.,* Astrophys. J. **599**, 909 (2003).

93. “Search for TeV Emissions from Pulsars in Binary Systems,” T.A. Hall *et al.,* Astrophys. J. **583**, 853 (2003).

92. “Detection of TeV Gamma Rays from the BL Lacertae Object 1ES 1959+650 with the Whipple 10 Meter Telescope,” J. Holder *et al.,* Astrophys. J. **583**, L9 (2003).

91. “The TeV Spectrum of H1426+428,” D. Petry *et al.,* Astrophys. J. **580**, 102 (2002).

90. “STACEE Observations of Markarian 421 During an Extended Gamma-Ray Outburst,” L.M. Boone *et al.,* Astrophys. J. **575**, L5 (2002).

89. “The STACEE-32 Ground-Based Gamma-Ray Detector,” D.S. Hanna *et al.,* Nucl. Inst. Meth. Phys. Res. **A491**, 126 (2002).

88. “Discovery of Spectral Variability of Markarian 421 at TeV Energies,” F. Krennrich *et al.,* Astrophys. J. **575**, L9 (2002).

87. “VERITAS: the Very Energetic Radiation Imaging Telescope Array System,” T.C. Weekes *et al.,* Astroparticle Phys. **17**, 221 (2002).

86. “Detection of the BL Lacertae Object H1426+428 at TeV Gamma-Ray Energies,” D. Horan *et al.,* Astrophys. J. **571**, 753 (2002).

85. "Cutoff in the TeV Energy Spectrum of Markarian 421 During Strong Flares in 2001," F. Krennrich *et al.,* Astrophys. J. **560**, L45 (2001).

84. "A Measurement of the Average Longitudinal Development Profile of Cosmic Ray Air Showers between 10^{17} and 10^{18} eV," T. Abu-Zayyad *et al.,* Astroparticle Phys. **16**,1 (2001).

83. "Measurement of the Cosmic Ray Energy Spectrum and Composition from $10^{17.3}$ to $10^{18.3}$ eV using a Hybrid Fluorescence Technique," T. Abu-Zayyad *et al.,* Astrophys. J. **557**, 686 (2001).

82. "A Measurement of the Cosmic Ray Spectrum and Composition at the Knee," J.W. Fowler *et al.,* Astroparticle Phys. **15**, 49 (2001).

81. "High Energy Gamma-Ray Observations of the Crab Nebula and Pulsar with the Solar Tower Atmospheric Cherenkov Effect Experiment," S. Oser *et al.,* Astrophys. J. **547**, 949 (2001).

80. "High-Energy Particles from the Universe," Rene A. Ong, Int. J. Mod. Phys. **A15S1**, 740 (2000).

79. "Evidence for Changing of the Cosmic Ray Composition between 10^{17} and 10^{18} eV from Multi-Component Measurements," T. Abu-Zayyad *et al.,* Phys. Rev. Lett. **84**, 4276 (2000).

78. "The Cosmic Ray Composition between 200 TeV and 10,000 TeV," M.A.K. Glasmacher *et al.,* Astroparticle Phys. **12**, 1 (1999).

77. "The Cosmic Ray Energy Spectrum between 10^{14} and 10^{16} eV," M.A.K. Glasmacher *et al.,* Astroparticle Phys. **10**, 291 (1999).

76. "Very High Energy Gamma-Ray Astronomy," Rene A. Ong, Physics Reports **305**, 93 (1998).

75. "Prototype Test Results of the Solar Tower Atmospheric Cherenkov Effect Experiment (STACEE)", M. Chantell *et al.,* Nucl. Inst. Meth. Phys. Res. **A408**, 468 (1998).

74. "Constraints on Gamma-Ray Emission from the Galactic Plane at 300 TeV," A. Borione *et al.,* Astrophys. J. **493**, 175 (1998).

73. "Limits on the Isotropic Diffuse Flux of Ultrahigh Energy Gamma-Radiation," M.C. Chantell *et al.,* Phys. Rev. Lett. **79**, 1805 (1997).

72. "A Search for Ultrahigh Energy Gamma-Ray Emission from the Crab Nebula and Pulsar," A. Borione *et al.,* Astrophys. J. **481**, 313 (1997).

71. "Large Area Atmospheric Cherenkov Detectors for High Energy Gamma-Ray Astronomy," Rene A. Ong, Nuovo Cimento **19C**, 971 (1996).

70. "A High Statistics Search for Ultrahigh Energy Gamma-Ray Emission from Cygnus X-3 and Hercules X-1," A. Borione *et al.,* Phys. Rev. **D55**, 1714 (1997).

69. "Detection of Atmospheric Cherenkov Radiation using Solar Heliostat Mirrors," R.A. Ong *et al.,* Astroparticle Phys. **5**, 353 (1996).

68. "A Search for Ultrahigh Energy Gamma rays from EGRET-Detected Active Galactic Nuclei using CASA-MIA," M. Catanese *et al.,* Astrophys. J. **469**, 572 (1996).

67. "A Search for Diffuse Sources of Ultrahigh Energy Gamma Rays," A. Borione *et al.,* Nucl. Phys. **B48**, 483 (1996).

66. "A Large Air Shower Array to Search for Astrophysical Sources Emitting Gamma Rays with Energies >= 10^{14} eV," A. Borione *et al*., Nucl. Instrum. Meth. Phys. Res **A346**, 329 (1994).

65. "Observation of the Shadows of the Moon and Sun using 100 TeV Cosmic Rays," A. Borione *et al*., Phys. Rev. D49, **1171** (1994).

64. "A Northern Sky Survey for Astrophysical Point Sources of 100 TeV Gamma Radiation," T.A. McKay *et al*., Astrophys. J. **417**, 742 (1993).

63. "Inclusive Charged Hadron and K^0 Production in Two Photon Interactions," D. Cords *et al*., Phys. Lett. **B302**, 341 (1993).

62. "A Search for Discrete Sources of 100 TeV Gamma Radiation," J. W. Cronin *et al*., Phys. Rev. **D45**, 4385 (1992).

61. "Search for the Production of the Final States $Tau^+Tau^-e^+e^-$, $Tau^+Tau^-Mu^+Mu^-$, and $Tau^+Tau^-Pi^+Pi^-$ in e^+e^- Collisions at sqrt(S) = 29 GeV," T. Barklow *et al.,* Phys. Rev. Lett. **68**, 13 (1992).

60. "A Search for Elastic Nondiagonal Lepton Pair Production in e^+e^- Annihilations at sqrt(S) = 29 GeV," J.J. Gomez-Cadenas *et al*., Phys. Rev. Lett. **66**, 1007 (1991).

59. "Test of QED to 4th Order by the Study of Four Lepton Final States in e^+ e^- Interactions at 29 GeV with the Mark-II Detector," M. Petradza *et al*., Phys. Rev. **D42**, 2171 (1990).

58. "Measurement of the Two Photon Width of the Eta' (958)," F. Butler *et al*., Phys. Rev. **D42**, 1368 (1990).

57. "Two Photon Production of Pion Pairs," J. Boyer *et al*., Phys. Rev. **D42**, 1350 (1990).

56. "Search for a Nearly Degenerate Lepton Doublet (L^-, L^0)," K. Riles *et al*., Phys. Rev. **D42**, 1 (1990).

55. "A Reanalysis of B^0–Anti-B^0 Mixing in e^+ e^- Annihilation at 29 GeV," A. J. Weir *et al*., Phys. Lett. **B240**, 289 (1990).

54. "Radiative Tau Production and Decay," D.Y. Wu *et al*., Phys. Rev. **D41**, 2339 (1990).

53. "Upper Limits on D^{+-} and B^{+-} Decays to Two Leptons Plus PI^{+-} or K^{+-}," A.J. Weir *et al*., Phys. Rev. **D41**, 1384, (1990).

52. "Measurement of the B^0 Meson Lifetime," S.R. Wagner, D.A. Hinshaw, R.A. Ong, A. Snyder *et al*., Phys Rev. Lett. **64**, 1095 (1990).

51. "Search For B Decay to Higgs Bosons for Higgs Boson Masses Between 50-MeV/C^2 and 210-MeV/C^2," A. Snyder *et al*., Phys. Lett. **B229**, 169 (1989).

50. "First Measurements of Hadronic Decays of the Z Boson," G.S. Abrams *et al*., Phys. Rev. Lett. **63**, 1558 (1989).

49. "The MARK-II Detector for the SLC," G.S. Abrams *et al*., Nucl. Instrum. Meth. Phys. Res. **A281**, 55 (1989).

48. "Initial Measurements of Z Boson Parameters in $e^+ e^-$ Annihilation," G.S. Abrams *et al*., Phys. Rev. Lett. **63**, 724 (1989).

47. "Searches For Nonminimal Higgs Bosons from a Virtual Z Decaying into a Muon Pair at PEP," S. Komamiya *et al*., Phys. Rev. **D40**, 721 (1989).

46. "Lambda-c^+ Production and Semileptonic Decay in 29-GeV $e^+ e^-$ Annihilation," S.R Klein *et al*., Phys. Rev. Lett. **62,** 2444, (1989).

45. "Limits on New Lepton Pairs (L^-, L^0) with Arbitrary Neutrino Mass," D.P. Stoker *et al*., Phys. Rev. **D39**, 1811 (1989).

44. "Measurement of Single and Double Radiative Low Q^2 Bhabha Scattering at E(cm) = 29 GeV," D. Karlen *et al*., Phys. Rev. **D39**, 1861 (1989).

43. "A Refined Measurement of the B Hadron Lifetime," R.A. Ong, J.A. Jaros *et al*., Phys. Rev. Lett. **62**, 1236 (1989).

42. "Bose-Einstein Correlations in $e^+ e^-$ Collisions," I. Juricic *et al*., Phys. Rev. **D39**, 1 (1989).

41. "Eta and Eta' Production in e^+e^- Annihilation at 29 GeV, Evidence for the $D(S)^{+-}$ Decays Into Eta Pi^{+-} and Eta' Pi^{+-}," G. Wormser *et al*., Phys. Rev. Lett. **61**, 1057 (1988).

40. "Observation of Psi Production in $e^+ e^-$ Annihilation at 29 GeV," G. Wormser. R.A. Ong *et al*., Phys. Rev. **D38**, 1001(1988).

39. "Inclusive Lepton Production in $e^+ e^-$ Annihilation at 29 GeV," R.A. Ong, A.J. Weir *et al*., Phys. Rev. Lett. **60**, 2587 (1988).

38. "Determination of alpha-s from Energy-Energy Correlations in e^+e^- Annihilation at 29 GeV," D.R. Wood *et al*., Phys. Rev. **D37**, 3091(1988).

37. "Measurement of the Tau Lifetime," D. Amidei *et al*., Phys. Rev. **D37**, 1750 (1988).

36. "Multi–Hadronic Events at E(CM) = 29 GeV and Predictions of QCD Models From E(CM) = 29 GeV to E(CM) = 93 GeV," A. Petersen *et al*., Phys. Rev. **D37**, 1 (1988).

35. “Observation of Omega Production in $e^+ e^-$ Annihilation at 29 GeV,” S.R. Klein *et al*., Phys. Rev.Lett. **59** 2412 (1987).

34. “Upper Limit on the Branching Ratio for the Decay $Tau^- \rightarrow Pi^-$ Eta Tau-Neutrino”, K.K. Gan *et al*., Phys. Lett. **B197**, 561 (1987).

33. “Measurement of the D^0 Lifetime from the Upgraded Mark-II Detector at PEP,’’ S.R. Wagner, D.A. Hinshaw, R.A. Ong *et al*., Phys. Rev. **D36**, 2850 (1987).

32. “Observation of the Spin 1 F1 (1285) in the Reaction Gamma Gamma* $\rightarrow$ $Eta^0 Pi^+ Pi^-$,” G. Gidal *et al*., Phys. Rev. Lett. **59**, 2012 (1987).

31. “Evidence for a Spin 1 Resonance in the Reaction Gamma Gamma* $\rightarrow$ $K^0 K^{+-} Pi^{-+}$,” G. Gidal *et al*., Phys. Rev. Lett. **59**, 2016 (1987).

30. “Study of Tau Decay Modes With Multiple Neutral Mesons in the Final States,” K.K. Gan *et al*., Phys. Rev. Lett. **59**, 411 (1987).

29. “Limit on the Decay $D^0 \rightarrow e^{+-} mu^{-+}$,” K. Riles *et al*., Phys. Rev. **D35**, 2914 (1987).

28. “Search For Heavy Neutrino Production at PEP,” C. Wendt *et al*., Phys. Rev. Lett. **58**, 1810 (1987).

27. “Observation of Xi^- Production in $e^+ e^-$ Annihilation at 29 GeV,” S.R. Klein *et el*., Phys. Rev. Lett. **58**, 644 (1987).

26. “Measurement of the Branching Fractions of the Tau Lepton Using a Tagged Sample of Tau Decays,” P.R. Burchat *et al*., Phys Rev. **D35**, 27 (1987).

25. “Prototype Results of a High Resolution Vertex Drift Chamber for The Mark-II SLC Upgrade Detector,” J.P. Alexander *et al*., Nucl. Instrum. Meth. Phys. Res. **A252**, 350 (1986).

24. “A Study of Noncollinear Two Charged Particle Events Produced in 29 GeV Electron–Positron Annihilation,” M.L. Perl *et al*., Phys. Rev. **D34**, 3321, (1986).

23. “Measurement of the D^0 and D^+ Lifetimes,” L. Gladney, J.A. Jaros, R.A. Ong *et al*., Phys. Rev. **D34**, 2601, (1986).

22. “A Comparison of the Particle Flow in Three Jet and Radiative Two Jet Events from $e^+ e^-$ Annihilation at E(cm) = 29 GeV,” P.D. Sheldon *et al*., Phys. Rev. Lett. **57**, 1398 (1986).

21. “Study of the Decay Tau $\rightarrow Pi^- Pi^- Pi^+$ Tau-Neutrino,” W.B. Schmidke *et al*., Phys. Rev. Lett. **57**, 527 (1986).

20. “Measurement of the Branching Fractions Tau $\rightarrow Rho^- Tau^-$Neutrino and Tau $\rightarrow K^{*-}$ Tau-Neutrino,” J.M Yelton *et al*., Phys. Rev. Lett. **56**, 812 (1986).

19. “Charged Meson Pair Production in Gamma-Gamma Interactions,” J. Boyer *et al*., Phys. Rev. Lett. **56**, 207 (1986).

18. “Searches for Unstable Neutral Leptons in Low Multiplicity Events from Electron–Position Annihilation,” M.L. Perl *et al*., Phys. Rev. **D32**, 2859 (1985).

17. “Inclusive Charged Particle Distributions in Nearly Threefold Symmetric Three Jet Events at E(CM) = 29 GeV,” A. Petersen *et al*., Phys. Rev. Lett. **55**, 1954 (1985)..

16. “Upper Limit of B^0 Anti-B^0 Mixing in e^+ e^- Annihilation at 29 GeV,” T. Schaad *et al*., Phys. Lett. **B160**, 188 (1985).

15. “Improved Upper Limit on Tau-Neutrino Mass,” C. Matteuzzi *et al.,* Phys. Rev. **D32**, 800 (1985).

14. “Design of an Enhanced 1 GeV Electron Neutrino Beam,” R.A. Ong *et al*., Nucl. Instrum. Meth. Phys. Res. **A236**, 256 (1985).

13. “Charged Multiplicity of Hadronic Events Containing Heavy Quark Jets,” P.C. Rowson *et al*., Phys Rev.Lett. **54,** 2580 (1985)

12. “Measurement of K^{+-} and K^0 Inclusive Rates in e^+ e^- Annihilation at 29 GeV,” H. Schellman *et al*., Phys. Rev. **D31**, 3013 (1985).

11. “Measurement of the Branching Fraction for Tau $\rightarrow$Pi$^+$ Pi^0 Tau-Neutrino and an Upper Limit on the Tau-Neutrino Mass,” P.R. Burchat *et al*., Phys. Rev. Lett. **54**, 2489 (1985).

10. “Search for Monojet Production in e^+ e^- Annihilation,” G.J. Feldman *et al*., Phys. Rev. Lett. **54**, 2289 (1985).

9. “Lambda Production in e^+ e^- Annihilation at 29 GeV,” C. de la Vaissiere *et al.,* Phys.Rev.Lett. **54**, 2071 (1985).

8. “A Measurement of the D^0 Lifetime,” J.M Yelton *et al*., Phys. Rev. Lett. **52**, 2019 (1984).

7. “Upper Limit on the Tau-Neutrino Mass,” C. Matteuzzi *et al.,* Phys. Rev. Lett. **52**, 1869 (1984).

6. “Search for Supersymmetric Electrons,” L. Gladney *et al*., Phys. Rev. Lett. **51**, 2252 (1983).

5. “Weak Neutral Currents in e^+ e^- Collisions at sqrt(S) = 29 GeV,” M.E. Levi *et al*., Phys. Rev. Lett. **51**, 1941 (1983).

4. “Measurement of the Lifetime of Bottom Hadrons,” N. Lockyer *et al.,* Phys. Rev. Lett. **51**, 1316 (1983).

3. “Precise Measurement of the Tau Lifetime”, J.A. Jaros *et al.*, Phys. Rev. Lett. **51**, 955 (1983).

2. “Comparison of the N_2^+ Photochemistry at Different Phases of the Solar Cycle,” M. R. Torr, D. G. Torr, and R. A. Ong , J. Geophysical Res. **85**, 2171 (1980).

1. “Ionization Frequencies for Major Thermospheric Constituents as a Function of Solar Cycle 21,” M. R. Torr, D. G. Torr, R. A. Ong, and H. E. Hinteregger, Geophysical Research Lett. **6**, 771 (1979).

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Invited Talks:

117. “Very High-Energy Astrophysics and the Cherenkov Telescope Array,” Colloquium, School of Earth and Space Exploration (SESE), Arizona State University, Tempe AZ, September 6, 2017.

116. “The Cherenkov Telescope Array,” Invited Talk, VERITAS Ten Year Celebration, Whipple Observatory, Amado AZ, June 29, 2017.

115. “The Future of Very High-Energy Astrophysics,” Seminar, University of Kyoto, Kyoto, Japan, October 4, 2016.

114. “The Future of Very High-Energy Astrophysics,” Seminar, Institute for Cosmic Ray Research (ICRR), University of Tokyo, Kashiwa, Japan, September 28, 2016.

113. “The Future of Very High-Energy Astrophysics,” Colloquium, Institute of Space and Astronautical Science (ISAS), Sagamihara, Japan, September 21, 2016.

112. "Very High Energy Astrophysics and the Cherenkov Telescope Array," Colloquium, University of British Columbia, Vancouver BC, Canada, December 3, 2015.

111. "Very High Energy Astrophysics and the Cherenkov Telescope Array," Colloquium, University of Victoria, Victoria BC, Canada, December 2, 2015.

110. "The CTA Key Science Projects," Seminar, INAF-Brera, Milano, Italy, July 2, 2015.

109. "The CTA Dark Matter Program," Seminar, INAF-Brera, Milano, Italy, June 30, 2015.

108. "The Cherenkov Telescope Array for VHE Astrophysics," Seminar, INAF-Merate, Merate, Italy, June 22, 2015.

107. "The Cherenkov Telescope Array for VHE Astrophysics," Seminar, INFN-Padova, Padova, Italy, June 12, 2015.

106. "The Chrenkov Telescope Array for VHE Astrophysics," Seminar, INFN-Bari, Bari, Italy, May 27, 2015.

105. “The Cherenkov Telescope Array for VHE Astrophysics”, Invited Talk, Inauguration of the HAWC Gamma-ray Observatory, Puebla, Mexico, March 19, 2015.

104. “Astroparticle Physics,” Invited Talk, Nobel Symposium on LHC Results (NS 154), Krusenbergs Herrrgard, Uppsala, Sweden, May 15, 2013.

103. “Very High Energy Astronomy and Prospects for CTA,” Colloquium, Lowell Observatory, Flagstaff AZ, May 2, 2013.

102. “Hunting for the Dark Matter of the Universe,” Colloquium, USC Engineering Honors Colloquium, April 26, 2013.

101. “The High-Energy Universe,” Invited Talk, Scientific Symposium for 50th Anniversary of SLAC, SLAC National Accelerator Laboratory, Stanford CA, August 24, 2012.

100. “Recent Results from VERITAS”, Invited Talk, Victor Hess Centennial Anniversary, 39th COSPAR Scientific Assembly, Mysore, India, July 17, 2012.

99. “The Mysterious Gamma-ray Universe,” Invited Talk, Moreno Valley College, Moreno Valley CA, April 19, 2012.

98. “Viewing the Universe in High-Energy Gamma-rays with VERITAS, Colloquium, IAFE-Universidad de Buenos Aires, Buenos Aires, Argentina, September 20, 2011.

97. “VHE Galactic Source Highlights from VERITAS,” Seminar, IRFU-Saclay, Gif sur Yvette, France, July 28, 2011.

96. “GAPS: An Indirect Dark Matter Search using Anti-Deuterons,” Invited Talk, Dark Matter Underground and in the Heavens (DMUH 2011), CERN, Geneva, Switzerland, July 26, 2011.

95. “VHE Galactic Source Highlights from VERITAS,” Seminar, LPNHE-Jussieu, University of Paris VI, Paris France, June 14, 2011.

94. “Astrophysical Signatures of Particle Dark Matter,” Seminar, LLR-Ecole Polytechnique, Palaiseau, France, May 6, 2011.

93. “Particle Astrophysics at the TeV Scale,” Colloquium, Department of Physics, Columbia University, New York NY, February 28, 2011.

92. “Astrophysical Signatures of Particle Dark Matter,” Seminar, Department of Physics, McGill University, Montreal QC, Canada, October 26 2010.

91. “VERITAS Explores the TeV Gamma-ray Sky,” Colloquium, Department of Physics and Astronomy, University of California, Riverside, Riverside CA, April 28, 2010

90. “The VERITAS View of the Very High Energy Universe,” Colloquium, Department of Physics, University of Wisconsin, Madison WI, December 4, 2009.

89. “Particle Astrophysics at Very High Energies,” Colloquium, School of Physics Georgia Inst. of Technology, Atlanta GA, October 28, 2009.

88. “Viewing the Universe at Very High Energies,” Highlight Talk, Southern California American Assoc.of Physics Teachers (SCAAPT), CalState-Channel Islands, Camarillo CA, May 2, 2009.

87. “Viewing the Universe at Very High Energies,” Colloquium, Department of Physics, Kansas State University, Manhattan KS, April 28, 2009.

86. “Viewing the Universe at Very High Energies”, Colloquium, LNS/Astrophysics, Massachusetts Inst. of Technology, Cambridge MA, March 2, 2009.

85. "Exploring the Gamma-ray Sky", Public Lecture, Santa Monica Amateur Astronomy Club (SMAAC), Santa Monica CA, November 14, 2008.

84. "Particle Astrophysics with VERITAS", Seminar, Kellogg Radiation Laboratory, California Inst. of Technology, Pasadena CA, February 29, 2008.

83. "VHE Particle Astrophysics: Science, Projects, Roadmap, and SLAC," Invited Talk, SLAC User's Organization (SLUO), Stanford Linear Accelerator Center, Menlo Park CA, February 7, 2008.

82. "The Very High Energy Universe", Colloquium, Department of Physics, University of California, San Diego, La Jolla CA, May 24, 2007.

81. "Cosmic Ray Studies to 10^{16} eV," Invited Talk, The Cronin Fest, University of Chicago, Chicago IL, September 8, 2007.

80. "Very High Energy Gamma-Ray Astronomy: Status and Future," Invited Talk, 6th Rencontres du Vietnam: Particle Astrophysics, Hanoi, Vietnam, August 9, 2006.

79. "The Landscape for Particle Astrophysics," Colloquium, Department of Physics, University of California, Riverside, Riverside CA, March 16, 2006.

78. "The Landscape for Particle Astrophysics," Colloquium, Department of Physics, University of Massachusetts, Amherst MA, March 8, 2006.

77. "VHE Astrophysics with VERITAS," Seminar, Department of Physics, University of Toronto, Toronto ON, Canada, March 7, 2006.

76. "Exploring the Extreme Universe," Colloquium, Department of Physics, Whittier College, Whittier CA, December 9, 2005.

75. "Exploring the Extreme Universe," Colloquium, Department of Physics, University of Alberta, Edmonton AB, Canada, December 2, 2005.

74. "Future Landscape for Particle Astrophysics," Seminar, Department of Physics and Astronomy, University of California Los Angeles, Los Angeles CA, October 19, 2005.

73. "Summary: Gamma-Ray Science and Techniques," Rapporteur Talk, 29th Int. Cosmic Ray Conference, Pune, India, August 10, 2005.

72. "Future Facilities in Astroparticle Physics and Cosmology," Plenary Talk, XXII Int. Symposium of Lepton-Photon Interactions at High Energies, Uppsala, Sweden, July 4, 2005.

71. "The Extreme Universe," Colloquium, Department of Physics, Columbia University, New York NY, April 18, 2005.

70. "Very High Energy Astrophysics," Colloquium, Department of Physics, University of California, Davis, Davis CA, April 13, 2005.

69. "The Extreme Universe," Colloquium, Department of Physics, University of Michigan, Ann Arbor MI, March 23, 2005.

68. "Report of the Scientific Assessment Group for Experiments in Non-Accelerator Physics, High Energy Physics Advisory Panel (HEPAP), Washington DC, September 24, 2004.

67. "The Limits of Particle Physics and Astronomy," Colloquium, Department of Physics, Brown University, Providence RI, March 1, 2004.

66. "Observations of Active Galactic Nuclei at Very High Energies," Seminar, Department of Astronomy, University of California San Diego, La Jolla CA, November 4, 2003.

65. "Status of VHE Astronomy," Seminar, Laboratory for High Energy Astrophysics (LHEA), Goddard Space Flight Center, Greenbelt MD, October 24, 2003.

64. "High-Energy Cosmic Rays," Invited Talk Series, XXXI SLAC Summer Institute, Stanford Linear Accelerator Center, Stanford CA, August 1-2, 2003.

63. "The Extreme Universe," Colloquium, Department of Physics, University of California, Irvine, Irvine CA, May 1, 2003.

62. "Exploring the High Energy Universe," Seminar, Department of Statistics, University of California, Los Angeles, Los Angeles CA, March 11, 2003

61. "Cosmic Ray Frontiers," Opening Talk, Cosmic Ray Astrophysics Symposium, 2003 Meeting of the American Association for the Advancement of Science (AAAS), Denver CO, February 16, 2003.

60. "The Status of VHE Astronomy," Conference Summary Talk, Int. Symposium: The Universe Viewed in Gamma Rays, Kashiwa, Japan, September 28, 2002.

59. "The VERITAS Project," Invited Talk, Int. Symposium: The Universe Viewed in Gamma Rays, Kashiwa, Japan, September 27, 2002.

58. "A Twenty Year Roadmap for Particle Physics," Seminar, Department of Physics and Astronomy, University of California, Los Angeles, Los Angeles CA, December 5, 2001.

57. "The Extreme Universe: Probing the Limits of Particle Physics and Astronomy," Colloquium, Department of Physics, University of Alabama, Tuscaloosa AL, November 14, 2001.

56. "The VHE Sky: 2006-2010", Seminar, Meeting of the Gamma Ray Large Area Telescope (GLAST) Collaboration, Stanford University, Stanford CA, August 2, 2001.

55. "The Violent Universe: Extending the Limits of Particle Physics and Astronomy," Colloquium, Department of Physics, Sanford University, Stanford CA, February 27, 2001.

54. "Astronomy of the Very High Energy Universe," Colloquium, Institute for Theoretical Physics (ITP), University of California, Santa Barbara, Santa Barbara CA, January 26, 2000.

53. "VHE Particle Astrophysics," Colloquium, Department of Physics, Southern Methodist University, Dallas TX, February 7, 2000.

52. "Very High-Energy Gamma-Ray Astronomy," Overview Talk, Session of the High Astrophysics Division at 195th Meeting of the American Astronomical Society (AAS), Atlanta GA, January 13, 2000.

51. "Exploring the High Energy Universe," Colloquium, Department of Physics, Iowa State University, Ames IA, December 6, 1999.

50. "Exploring the High Energy Universe," Colloquium, Department of Physics, Boston University, Boston MA, November 15, 1999.

49. "High-Energy Particles from the Universe," Plenary Talk, XIX Int. Symposium of Lepton and Photon Interactions at High Energies, Stanford University, Stanford CA, August 12, 1999.

48. "Detection of 100 GeV Gamma Rays from the Crab Nebula," Seminar, Enrico Fermi Institute, University of Chicago, Chicago IL, May 18, 1999.

47. "Exploring the High Energy Universe," Colloquium, Department of Physics, Ohio State University, Columbus OH, April 13, 1999.

46. "Exploring the High Energy Universe," Colloquium, Department of Physics and Astronomy, University of California Los Angeles, Los Angeles CA, April 8, 1999.

45. "The STACEE Project for High-Energy Gamma-Ray Astrophysics," Seminar, Department of Physics, University of Michigan, Ann Arbor MI, March 15, 1999.

44. "Exploring the High-Energy Universe," Seminar, Department of Physics, University of Wisconsin, Madison WI, March 11, 1999.

43. "Probing the High-Energy Universe," Colloquium, Department of Physics, Case Western Reserve University, Cleveland OH, February 11, 1999.

42. "The STACEE Project," Seminar, Department of Physics, University of New Mexico, Albuquerque NM, October 27, 1998.

41. "Gamma-Ray Astrophysics: Recent Results and Future Prospects," Seminar, LPNHE, Ecole Polytechnique, Palaiseau (Paris), France, June 15, 1998.

40. "The STACEE Project for High Energy Gamma-Ray Astrophysics," Seminar, Department of Physics, Princeton University, Princeton NJ, April 29, 1998.

39. "The STACEE Project for High Energy Gamma-Ray Astrophysics," Seminar, Department of Physics and Astronomy, University of California Los Angeles, Los Angeles CA, March 11, 1998.

38. "The STACEE Project for High Energy Gamma-Ray Astrophysics," Seminar, Department of Physics, Rutgers University, New Brunswick NJ, February 10, 1998.

37. "The Solar Tower Atmospheric Cherenkov Effect Experiment (STACEE)," Seminar, Department of Physics, University of Pennsylvania, Philadelphia PA, February 9, 1998.

36. "Very High Energy Gamma-Ray Astrophysics," Colloquium, Department of Physics, University of Chicago, Chicago IL, October 2, 1997.

35. "UHE Cosmic Rays, Topological Defects, and the Diffuse Gamma-Ray Background," Seminar, Enrico Fermi Institute, University of Chicago, Chicago IL, June 2, 1997.

34. "Astronomy using Solar Heliostat Mirrors," Seminar, USAF Phillips Laboratory, Kirtland AFB, Albuquerque NM, July 2, 1997.

33. "The STACEE Project for Gamma-Ray Astrophysics," Seminar, Center for Particle Astrophysics, University of California, Berkeley, Berkeley CA, May 20, 1997.

32. "TeV and PeV Gamma-Ray Astrophysics," Colloquium, Department of Physics, University of Toronto, Toronto ON, Canada, March 13, 1997.

31. "Development of the Solar Tower Atmospheric Cherenkov Effect Experiment," Invited Talk, 18th Texas Symposium of Relativistic Astrophysics and Cosmology," Chicago IL, December 18, 1996.

30. "Gamma-Ray Astronomy using Large Area Solar Heliostat Fields," Seminar, Physics Division, Los Alamos National Laboratory, Los Alamos NM, June 12, 1996.

29. "The Death of Cygnus X-3," Seminar, Bartol Research Institute, Newark DE, April 11,1996.

28. "The Death of Cygnus X-3," Seminar, Enrico Fermi Institute, University of Chicago, Chicago IL, March 11, 1996.

27. "Large Area Atmospheric Cherenkov Detectors for High Energy Gamma-Ray Astronomy," Plenary Talk, 24th Int. Cosmic Ray Conference, Rome, Italy, August 29, 1995.

26. "High Energy Gamma-Ray Astronomy, 20-200 GeV," Seminar, Department of Physics, Leeds University, Leeds, U.K., June 6, 1995.

25. "Astronomy at the Highest Energies," Colloquium, Department of Physics, University of Oregon, Eugene OR, May 4, 1995.

24. "Astronomy at the Highest Energies," Colloquium, Department of Physics, Pittsburgh University, Pittsburgh PA, February 20, 1995.

23. "Using a Large Solar Array for Gamma-Ray Astronomy," Seminar, Enrico Fermi Institute, University of Chicago, Chicago IL, November 10, 1994.

22. "Art in the Realm of the Sciences: Flight and Gravity," Invited Talk, Art Institute of Chicago, Chicago IL, October 22, 1994.

21. "Gamma Rays: TeV Energies and Beyond," Invited Talk, Towards a Next-Generation High-Energy Gamma-Ray Telescope, Stanford University, Stanford CA, August 23, 1994.

20. "Cosmic Rays Below 10^{16} eV," Plenary Talk, Snowmass Summer Study: Particle and Nuclear Astrophysics and Cosmology in the Next Millennium, Snowmass CO, July 6, 1994.

19. "Exploratory Work on the Concept of a Large Area Atmospheric Cherenkov Detector," Invited Talk, Int. Workshop Towards a Major Atmospheric Cherenkov Detector III, Tokyo, Japan, May 26, 1994.

18. "PeV Gamma-Ray Astronomy," Seminar, Department of Physics, University of Illinois Chicago, Chicago IL, May 2, 1994.

17.. "100 TeV Astronomy with the CASA-MIA Detector," Seminar, Department of Physics, University of Illinois, Urbana IL, May 2, 1994.

16. "High Energy Gamma-Ray Astronomy," Colloquium, Department of Physics, Indiana University, Bloomington IN, December 6, 1993.

15. "Astrophysics at Energies Greater than 100 TeV," Seminar, Department of Physics, University of Michigan, Ann Arbor MI, April 9, 1993.

14. "Particle Astrophysics with Gamma Rays at Energies Greater than 10 TeV," Plenary Talk, IV Rencontres de Blois: Particle Astrophysics, Blois, France, June 17, 1992.

13. "Physics and Astronomy at PeV Energies," Seminar, Research Division, Stanford Linear Accelerator Center, Stanford CA, March 24, 1992.

12. "Physics and Astronomy at Energies of 10^{14} eV," Colloquium, Department of Physics, Rice University, Houston TX, February 19, 1992.

11. "Results from the CASA-MIA Cosmic Ray and Gamma-Ray Astronomy Facility," Invited Talk, Joint International Lepton-Photon Symposium and Europhysics Conference on High Energy Physics, Geneva, Switzerland, July 27, 1991.

10. "The Physics and Astronomy of Gamma Rays at PeV Energies," Colloquium, Department of Physics, University of California, Berkeley, Berkeley CA, April 24, 1991.

9. "Gamma-Ray Physics and Astronomy at PeV Energies," Seminar, Physics Division, Brookhaven National Laboratory, Upton NY, March 28, 1991.

8. "Physics and Astronomy at PeV Energies," Seminar, Department of Physics, Princeton University, Princeton NJ, March 27, 1991.

7. "Gamma-Ray Physics and Astronomy," Colloquium, Department of Physics, University of Colorado, Boulder CO, March 15, 1991.

6. "Physics and Astronomy at PeV Energies," Seminar, Department of Physics, Harvard University, Cambridge MA, February 21, 1991.

5. "PeV Gamma Rays from Astrophysical Point Sources," Seminar, Department of Physics, University of California, Santa Cruz, Santa Cruz CA, February 8, 1991.

4. “Results and Prospects for Ultra High Energy Gamma-Ray Astronomy,” Colloquium, Physics Division, Argonne National Laboratory, Argonne IL, March 31, 1989.

3. “Measurement of the B Hadron Lifetime from Mark II at PEP,” Invited Talk, Int. Symposium of Production and Decay of Heavy Flavors, Stanford University, Stanford CA, September 3, 1987.

2. “Recent Measurements of the B Hadron Lifetime,” Invited Talk, 15th SLAC Summer Institute, Stanford Linear Accelerator Center, Stanford CA, August 18, 1987.

1. “The Mark II Vertex Drift Chamber,” Seminar, Physics Division, Japanese National Laboratory for High Energy Research (KEK), Tsukuba, Japan, May 1983.