

9 Publications

9.1 Published papers:

“Deep Science,” the report of the S1 Principal Investigators on the science and engineering case for a Deep Underground Science and Engineering Laboratory, E. W. Beier, T. C. Onstott, R. G. H. Robertson, B. Sadoulet, and J. M. Tiedje, published by Publications Office, Fermilab (2006).

“Arguments for a “US Kamioka”: SNO Lab and its implications for North American underground science planning,” W. C. Haxton, K. A. Philpott, R. D. Holtz, J. F. Wilkerson and P. Long, Nucl. Instrum. Meth. A **570**, 414 (2007).

“A search for neutrinos from the solar hep reaction and the diffuse supernova neutrino background with the Sudbury Neutrino Observatory,” B. Aharmim and the SNO Collaborators,* *Astrophys. J.* **653**, 1545 (2006) hep-ex/0607010.

“Measurement of the response of a Ga solar neutrino experiment to neutrinos from an Ar-37 source,” J. N. Abdurashitov and the SAGE Collaborators,* *Phys. Rev. C* **73**, 045805 (2006) nucl-ex/0512041.

“The BNO-LNGS joint measurement of the solar neutrino capture rate in ^{71}Ga ,” J. N. Abdurashitov and the SAGE Collaborators,* *Astropart. Phys.* **25**, 349 (2006) nucl-ex/0509031.

“Measurement of the response of a Ga solar neutrino experiment to neutrinos from an Ar-37 source,” J. N. Abdurashitov and the SAGE Collaborators,* *J. Phys. Conf. Ser.* **39**, 284 (2006) [*Phys. Atom. Nucl.* **69**, 1820 (2006)].

“New CP-violation and preferred-frame tests with polarized electrons,” B. R. Heckel, C. E. Cramer, T. S. Cook, E. G. Adelberger, S. Schlamminger, and U. Schmidt, *Phys. Rev. Lett.* **97**, 021603 (2006).

“Measurement of Newton’s constant,” S. Schlamminger, E. Holzschuh, W. Kündig, F. Nolting, R. E. Pixley, J. Schurr, and U. Straumann, *Phys. Rev. D* **74**, 082001 (2006).

“High sensitivity torsion balance tests for LISA proof mass modeling,” S. Schlamminger, C. A. Hagedorn, M. G. Famulare, S. E. Pollack, and J. H. Gundlach, *Laser Interferometer Space Antenna: 6th International LISA Symposium, June, 2006, AIP Conference Proceedings*, **873**, 151-157 (2006).

“Outgassing, temperature gradients and the radiometer effect in LISA: A torsion pendulum investigation,” S. E. Pollack, S. Schlamminger, J. H. Gundlach, *Laser Interferometer Space Antenna: 6th International LISA Symposium, June, 2006, AIP Conference Proceedings*, **873**, 158-164 (2006).

“Quality factors of bare and metal-coated quartz and fused silica torsion fibers,”

C. A. Hagedorn, S. Schlamminger, and J. H. Gundlach, Laser Interferometer Space Antenna: 6th International LISA Symposium, June, 2006, *AIP Conference Proceedings*, **873** 189-193 (2006).

“Tests of the gravitational inverse-square law at the dark-energy length scale,”
D. J. Kapner, T. S. Cook, E. G. Adelberger, J. H. Gundlach, B. R. Heckel, C. D. Hoyle and H. E. Swanson, *Phys. Rev. Lett.* **98**, 021101 (2007).

“Photon mass bounds destroyed by vortices,” E. G. Adelberger, G. Dvali and A. Gruzinov, *Phys. Rev. Lett.* **98**, 010402 (2007).

“Particle physics constraints from a recent test of the gravitational inverse-square law,”
E. G. Adelberger, B. R. Heckel, S. A. Hoedl, C. D. Hoyle, D. J. Kapner and A. Upadhye, *Phys. Rev. Lett.* **98**, 131104 (2007).

“Precise study of the final-state continuum in ^8Li and ^8B decays,” M. Bhattacharya, E. G. Adelberger and H. E. Swanson, *Phys. Rev. C* **73**, 055802 (2006).

“Mass of the lowest $T = 2$ state of ^{32}S : A test of the isobaric multiplet mass equation,”
S. Triambak, A. García, G. J. P. Hodges, E. G. Adelberger, H. E. Swanson, S. A. Hoedl, S. K. L. Sjuve and A. L. Sallaska, *Phys. Rev. C* **73**, 054313 (2006).

“Excitation energies in ^{33}Cl via $^{32}\text{S}(p, \gamma)$,” S. Triambak, A. García, D. Melconian, M. Mella, and O. Biesel, *Phys. Rev. C* **74**, 054306 (2006).

“Precision branching ratio measurement for the superallowed β^+ emitter ^{62}Ga and isospin-symmetry breaking corrections in $A \geq 62$ nuclei,” B. Hyland, C. E. Svensson, G. C. Ball, J. R. Leslie, T. Achtzehn, D. Albers, C. Andreoiu, P. Bricault, R. Churchman, D. Cross, M. Dombisky, P. Finlay, P. E. Garrett, C. Geppart, G. F. Grinyer, G. Hackman, V. Hanemaayer, J. Lassen, J. P. Lavoie, D. Melconian, A. C. Morton, C. J. Pearson, M. Pearson, A. A. Phillips, M. A. Schumaker, M. B. Smith, I. S. Towner, J. J. Valiente-Dobon, K. Wendt, and E. F. Zganjar, *Phys. Rev. Lett.* **97** 102501 (2006).

“Superallowed beta decay studies at TRIUMF - nuclear structure and fundamental symmetries,” E. F. Zganjar, T. Achtzehn, D. Albers, *et al.* (D. Melconian), 2006 Zakopane Conference on Nuclear Physics, *Acta Phys. Pol. B* **38** 1107 (2007).

“A proposed STAR microvertex detector using active pixel sensors with some relevant studies on APS performance,” S. Kleinfelder, S. Li, H. Bichsel, *et al.*, *Nucl. Instrum. Methods A* **565**, 132-138 (2006).

“Extrapolating parton fragmentation to low Q^2 in $e^+ - e^-$ collisions,” T. A. Trainor and D. T. Kettler, *Phys. Rev. D* **74**, 034012 (2006).

“Autocorrelations from the scale dependence of transverse-momentum fluctuations in Hijing-simulated Au-Au collisions at $s_{NN}^{1/2} = 200\text{-GeV}$,” Q. J. Liu, D. J. Prindle and T. A. Trainor, *Phys. Lett. B* **632**, 197 (2006).

“Transverse momentum correlations and minijet dissipation in Au-Au collisions at $s_{NN}^{1/2} = 130\text{-GeV}$,” B.I. Abelev, T. A. Trainor and the STAR Collaborators,* J. Phys. G. **34**, 799 (2007).

“The energy dependence of p_t angular correlations inferred from mean- p_t fluctuation scale dependence in heavy ion collisions at the SPS and RHIC,” B.I. Abelev, D. J. Prindle, T. A. Trainor and the STAR Collaborators,* J. Phys. G **33**, 451 (2007).

“The multiplicity dependence of inclusive p_t spectra from p-p collisions at $s^{1/2} = 200\text{-GeV}$,” B.I. Abelev, T. A. Trainor and the STAR Collaborators,* Phys. Rev. D **74**, 032006 (2006).

“Transverse-momentum p_t correlations on (η, ϕ) from mean- p_t fluctuations in Au-Au collisions at $s_{NN}^{1/2} = 200\text{-GeV}$,” B.I. Abelev, Q. J. Liu, D. J. Prindle, T. A. Trainor and the STAR Collaborators,* J. Phys. G **32**, L37 (2006).

“ e^+e^- fragmentation functions,” D. T. Kettler and T. A. Trainor, International workshop on Correlations and fluctuations in relativistic nuclear collisions, Florence, Italy, July, 2006, *Proceedings of Science* (CFRNC 2006) 003 (2006).

“Correlations in p-p collisions,” R. J. Porter and T. A. Trainor, International workshop on Correlations and fluctuations in relativistic nuclear collisions, Florence, Italy, July, 2006, *Proceedings of Science* (CFRNC 2006) 004 (2006).

“Review of p_t fluctuations and correlations,” D. J. Prindle and T. A. Trainor, International workshop on Correlations and fluctuations in relativistic nuclear collisions, Florence, Italy, July, 2006, *Proceedings of Science* (CFRNC 2006) 007 (2006).

“Review of analysis methods for correlations and fluctuations,” T. A. Trainor, International workshop on Correlations and fluctuations in relativistic nuclear collisions, Florence, Italy, July, 2006, *Proceedings of Science* (CFRNC 2006) 009 (2006).

“Low- Q^2 partons in p-p and Au-Au collisions,” T. A. Trainor (STAR Collaboration), 35th International Symposium on Multiparticle Dynamics (ISMD 05), Kromeriz, Czech Republic, August, 2005, V. Simak, M. Sumbera, S. Todorova, B. Tomasik, Editors, *AIP Conference Proceedings* **828**, 238 (2006).

“Energy and centrality dependence of anti-p and p production and the anti-Lambda/anti-p ratio in Pb+Pb collisions between 20/A-GeV and 158/A-GeV,” C. Alt and the NA49 Collaborators,* Phys. Rev. C **73**, 044910 (2006).

“Inclusive production of charged pions in p+C collisions at 158-GeV/c beam momentum,” C. Alt and the NA49 Collaborators,* Eur. Phys. J. **49**, 897-917 (2007) hep-ex/0606028.

“Upper limit of D0 production in central Pb-Pb collisions at 158-A-GeV.” C. Alt and the NA49 Collaborators,* Phys. Rev. C, **73**, 034910 (2006) nucl-ex/0507031.

“Identified hadron spectra at large transverse momentum in p+p and d+Au collisions at $\sqrt{s_{NN}} = 200\text{ GeV}$,” B.I. Abelev and the STAR Collaborators,* Phys. Lett. B **637**, 161

(2006) nucl-ex/0601033.

“Strange baryon resonance production in $\sqrt{s_{NN}} = 200$ GeV p+p and Au+Au collisions,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. Lett. **97**, 132301 (2006), nucl-ex/0604019.

“Identified baryon and meson distributions at large transverse momenta from Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. Lett. **97**, 152301 (2006) nucl-ex/0606003.

“Forward neutral pion production in p+p and d+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. Lett. **97**, 152302 (2006) nucl-ex/0602011.

“Direct observation of dijets in central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. Lett. **97**, 162301 (2006) nucl-ex/0604018.

“Neutral kaon interferometry in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. C **74**, 054902 (2006) nucl-ex/0608012.

“Longitudinal double-spin asymmetry and cross section for inclusive jet production in polarized proton collisions at $\sqrt{s_{NN}} = 200$ GeV,” Phys. Rev. Lett. **97**, 252001 (2006) hep-ex/0608030.

“Delta-phi delta-eta correlations in central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* Phys. Rev. C **75**, 034901 (2007) nucl-ex/0607003.

“Stragglings of fast electrons,” Z-E-A Chaoui and H. Bichsel, Surf. Inter. Anal. **38**, 664-667 (2006).

“Approximation methods to calculate stragglings functions,” H. Bichsel, Nucl. Instrum. Methods A **566**, 1-4 (2006).

“A method to improve tracking and particle identification in TPCs and silicon detectors,” H. Bichsel, Nucl. Instrum. Methods A **562**, 154-197 (2006).

9.2 Papers submitted or to be published 2006:

“Direct Neutrino Mass Measurements,” P. J. Doe, *Proceedings of the Neutrino 2006 Conference*, Neutrino 2006 Conference, Santa Fe, NM, June, 2006, accepted for publication in J. Phys. Conf. Ser.

“Operation of a high purity germanium crystal in liquid argon as a Compton suppressed radiation spectrometer,” J. L. Orrell, C. E. Aalseth, J. F. Amsbaugh, P. J. Doe, T. W. Hossbach, July, 2006, submitted for publication to Nucl. Instrum. Methods A, nucl-ex/0610018.

“A search for neutrinos from solar hep reaction and the diffuse supernova neutrino background with the Sudbury Neutrino Observatory,” B. Aharmim and the SNO Collaborators,* July, 2006, submitted for publication to *Astrophys. J.*, hep-ex/0607010.

“Multi-layer scintillation detector for the MOON double beta decay experiment: Scintillation photon responses studied by a prototype detector MOON-1,” H. Nakamura and the MOON Collaborators,* submitted for publication to *Nucl. Instrum. Methods*, nucl-ex/0609008.

“Measurement of the ν_e and total ^8B solar neutrino fluxes with the Sudbury Neutrino Observatory Phase I Data Set,” B. Aharmim and the SNO Collaborators,* *Phys. Rev. C* (in press) nucl-ex/0610020.

“Multi-layer scintillation detector for the MOON double beta decay experiment: Scintillation photon responses studied by a prototype detector MOON-1,” H. Nakamura and the MOON Collaborators,* submitted for publication in *Nucl. Instrum. Methods*, nucl-ex/0609008.

“E0 emission in $\alpha + ^{12}\text{C}$ fusion at astrophysical energies,” G. Baur, K. A. Snover, and S. Typel, *Phys. Rev. C* (in press) nucl-th/0701027v2.

“ ft value of the $0^+ \rightarrow 0^+ \beta^+$ decay of ^{32}Ar : a measurement of isospin breaking in a super-allowed decay,” M. Bhattacharya, D. Melconian, A. Komives, A. García, E. G. Adelberger, B. A. Brown, M. W. Cooper, T. Glasmacher, V. Guimaraes, P. F. Mantica, A. M. Oros-Peusquens, J. I. Prisciandaro, M. Steiner, H. E. Swanson, S. L. Tabor, M. Wiedeking, submitted for publication to *Phys. Rev. C*.

“Measurement of the neutrino asymmetry in the β decay of laser-cooled, polarized ^{37}K ,” D. Melconian, J. A. Behr, D. Ashery, O. Aviv, P. G. Bricault, M. Dombisky, S. Fostner, A. Gorelov, S. Gu, K. P. Jackson, V. Hanemaayer, M. R. Pearson and I. Vollrath, accepted for publication in *Phys. Lett. B*.

“Polishing the lens: Pionic final state interactions and HBT correlations - Distorted Wave Emission Function (DWEF) formalism and examples,” G. A. Miller and J. G. Cramer, 2007, accepted for publication to *J. Phys. G*, nucl-th/0507004.

“The azimuth structure of nuclear collisions - I,” T. A. Trainor and D. T. Kettler, submitted to *J. Phys. G*, hep-ph/07041674.

“A power-law description of collision centrality applied to Hijing-1.37-simulated Au-Au collisions at $s_{NN}^{1/2} = 200\text{-GeV}$,” T. A. Trainor and D. J. Prindle, submitted for publication to *J. Phys. G*, hep-ph/0411217.

“Centrality and system size dependence of multiplicity fluctuations in nuclear collisions at 158-A/GeV,” C. Alt and the NA49 Collaborators,* December, 2005, submitted for publication to *Phys. Rev. C*.

“Elliptic flow of Lambda hyperons in Pb + Pb collisions at 158A- GeV,” C. Alt and the

NA49 Collaborators,* 2006, submitted for publication to Phys. Rev. Lett., nucl-ex/0606026.

“Transverse momentum and centrality dependence of high-pT non-photonic electron suppression in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* 2006, submitted for publication to Phys. Rev. Lett., nucl-ex/0607012.

“Measurements of strange particle production in p+p collisions at $\sqrt{s} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* 2006, submitted for publication to Phys. Rev. C, nucl-ex/0607033.

“Rapidity and species dependence of particle production at large transverse momentum for d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* 2006, nucl-ex/0609021.

“Mass, quark-number, and $\sqrt{s_{NN}}$ dependence of the second and fourth flow harmonics in ultra-relativistic nucleus-nucleus collisions,” B.I. Abelev and the STAR Collaborators,* 2007, submitted for publication to Phys. Rev. C, nucl-ex/0701010.

“Measurements of identified particles at intermediate transverse momentum in the STAR experiment from Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* 2006, Phys. Rev. C, nucl-ex/0601042.

“Energy dependence of charged pion, proton and anti-proton transverse momentum spectra for Au+Au collisions at $\sqrt{s_{NN}} = 62.4$ and 200 GeV,” B.I. Abelev and the STAR Collaborators,* 2007, submitted for publication.

“Scaling properties of hyperon production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV,” B.I. Abelev and the STAR Collaborators,* 2006, submitted for publication to Phys. Rev. Lett., nucl-ex/0606014.

9.3 Invited talks, abstracts and other conference presentations:

“Direct neutrino mass measurement and the status of KATRIN,” P. J. Doe, NNN2009, Seattle, WA, September, 2006.

“Direct neutrino mass measurements,” P. J. Doe, Neutrinos 2006, Santa Fe, NM, June, 2006.

“In pursuit of a solar neutrino flux number from SNO’s Phase III,” S. McGee, Joint Meeting of Pacific Region Particle Physics Communities, Honolulu, HI, October, 2006.

“Solar Neutrinos,” R. G. H. Robertson, *Proceedings of International School on Nuclear Physics; 27th Course: ”Neutrinos in Cosmology, in Astro, Particle and Nuclear Physics”* in Erice, Sicily, Italy; September, 2005, Prog. Part. Nucl. Phys. **57** 90-105 (2006) report-no: CENPA 2006-2.

“Tribute to Ray Davis and John Bahcall,” R. G. H. Robertson, International Conference on

Neutrino Physics and Astrophysics, Neutrinos 2006, Santa Fe, NM, June, 2006.

“A Deep Underground Science and Engineering Laboratory in the U.S.,”
R. G. H. Robertson, International Conference on Neutrino Physics and Astrophysics,
Neutrinos 2006, Santa Fe, NM, June, 2006.

“Neutrinos in nuclear physics, setting a course,” R. G. H. Robertson, Pre-Town Meeting for
NSAC Long-Range Plan Process, Santa Fe, NM, December, 2006.

“Deep Underground Science and Engineering Lab,” R. G. H. Robertson, Pre-Town Meeting
for NSAC Long-Range Plan Process, Santa Fe, NM, December, 2006.

“Experimental determination of neutrino mass,” R. G. H. Robertson, Aspen Winter Physics
Conference, Aspen, CO, January 2007.

“DUSEL Cascades,” J. F. Wilkerson, Neutrinos 2006, Santa Fe, NM, June, 2006.

“The Majorana and GERDA ^{76}Ge Double Beta Decay Experiments,” J. F. Wilkerson,
Workshop on Next Generation Nucleon decay and Neutrino Detectors, Seattle, WA,
September, 2006.

“Next-Generation Neutrinoless Double-Beta Decay Experiments,” J. F. Wilkerson, Aspen
2007 Winter Conference on Neutrinos in Physics and Astrophysics, Aspen, CO, January,
2007.

“Digging Neutrinos: Pursuing Science Deep Underground,” J. F. Wilkerson, University of
South Dakota, Vermillion, SD, February 2007.

“Majorana Experiment Status,” J. F. Wilkerson, GERDA Collaboration Meeting, Ringberg,
Germany, February 2007.

“A torsion pendulum axion search,” S. A. Hoedl, Indiana University Nuclear Physics
Seminar, Bloomington, IN, March 2007.

“A torsion pendulum axion search,” S. A. Hoedl, Axions at the Institute Workshop,
Institute for Advanced Study, Princeton, NJ, November, 2006.

“Exciting physics with torsion balances,” S. Schlamming, Seminar in Experimental
Physics, Universität Zürich, January 2007.

“Unitarity of the CKM mass-mixing as a test of the Standard Model: status and future
prospects,” D. Melconian, APS Northwest Annual Meeting, Tacoma, WA, May, 2006.

“Characterization of solid state ultracold neutron detectors,” A. L. Sallaska, A. García,
S. K. L. Sjue, S. A. Hoedl, D. Melconian, A. Young, A. Holley, P. Geltenbort, APS
Northwest Annual Meeting, Tacoma, WA, May, 2006.

“Polarized neutron beta-decay: proton asymmetry and recoil-order currents,” S. K. L. Sjue,,
APS Northwest Annual Meeting, Tacoma, WA, May, 2006.

- “ $^{31}\text{P}(\rho, \gamma)$ gamma and the isobaric multiplet mass equation,” S. Triambak, A. García, E. G. Adelberger, G. J. P. Hodges, D. Melconian, H. E. Swanson, S. A. Hoedl, S. K. L. Sjøe, A. L. Sallaska, H. Iwamoto, APS Northwest Annual Meeting, Tacoma, WA, May, 2006.
- “Second-forbidden beta decay of ^8B ,” M. K. Bacrania, D. W. Storm, and R. G. H. Robertson, American Physical Society, Dallas, TX, April, 2006, *Bull. Am. Phys. Soc.* **51** 90 (2006).
- “Be + p and $^3\text{He} + ^4\text{He}$ fusion reactions and neutrino astrophysics,” K. A. Snover, Physics Division colloquium, Oak Ridge National Lab, Oak Ridge, TN, May, 2006.
- “Analyzing sources of uncertainty in a precision measurement of $^3\text{He}(\alpha, \gamma)^7\text{Be}$,” A. M. Crisp, T. A. D. Brown, C. Bordeanu, K. A. Snover, D. W. Storm, APS Division of Nuclear Physics, Session 3A00018, Nashville, TN, 2006.
- “Probing fundamental properties of the weak interaction: Some recent experimental progress,” D. Melconian, Physics colloquium, Louisiana State University, Baton Rouge, LA, March 2007.
- “Ideas for research at the Cyclotron Institute at Texas A & M University,” D. Melconian, Physics seminar, Cyclotron Institute, Texas A&M University, College Station, TX, March 2007.
- “Probing fundamental properties of the weak interaction: Some recent experimental progress,” D. Melconian, Physics colloquium, Texas A&M University, College Station, TX, March 2007.
- “Probing fundamental properties of the weak interaction: What haven’t we seen yet?,” D. Melconian, Physics colloquium, Colorado School of Mines, Golden, CO, February 2007.
- “Correlation measurements using laser-cooled, polarized ^{37}K ,” D. Melconian, 2006 Canadian Association of Physicists DNP Thesis Prize, Winter Nuclear and Particle Physics Conference, Banff, Alta, Canada February 2007.
- “ $\mathcal{F}t$ value for the superallowed decay of ^{32}Ar ,” D. Melconian, APS Division of Nuclear Physics Conference, Nashville, TN, October, 2006, *Bull. Am. Phys. Soc.* **51**, 39 (2006), Session CF.
- “Measurement of the γ branches in the β^+ decay of ^{32}Cl ,” D. Melconian, APS Division of Nuclear Physics Conference, Nashville, TN, October, 2006, *Bull. Am. Phys. Soc.* **51**, 40 (2006), Session CF.
- “Standard Model Tests of the Weak Interaction using the β -decay of Laser-Cooled $^{37,38m}\text{K}$,” D. Melconian, physics seminar, Kellogg Radiation Laboratory, California Institute of Technology, Pasadena, CA, March, 2006.
- “Minijets in Nuclear Collisions,” T. A. Trainor, 1st Workshop on Soft Physics in Ultrarelativistic Heavy Ion Collisions, (SPHIC06) Catania, Italy, September, 2006.
- “A parametric amplifier for semiconductor radiation detectors,” R. G. H. Robertson and

T.D. Van Wechel, IEEE Conference on Nuclear Science, San Diego, CA, October, 2006.

“Physical processes produced by radiations in water and biological cells,” H. Bichsel, National Institutes of Radiological Sciences, Chiba, Japan, October, 2006.

“Detailed study of charged particle interactions in water with application to radiation cancer therapy with carbon ions,” H. Bichsel, National Institutes of Radiological Sciences, Chiba, Japan, October, 2006.

*UW collaborators for the various CENPA research groups are listed below (April 1, 2006 - March 31, 2007):

MOON Collaborators: P. J. Doe, R. G. H. Robertson, J. F. Wilkerson and D. I. Will

NA49 Collaborators: J. G. Cramer and D. J. Prindle

SAGE Collaborators: J. F. Wilkerson

SNO Collaborators: J. F. Amsbaugh, T. A. D. Brown, G. A. Cox-Mobrand, J. A. Detwiler, P. J. Doe, G. C. Harper, M. A. Howe, S. McGee, A. W. Myers, N. S. Olbath, R. G. H. Robertson, B. A. VanDevender, T. D. VanWechel and J. F. Wilkerson

STAR Collaborators: H. Bichsel, J. G. Cramer, D. T. Kettler, R. J. Porter, D. J. Prindle and T. A. Trainor. In cases where some CENPA personnel played a major role in a STAR publication, their names are listed explicitly.

9.4 Ph.D. degrees granted:

Finding Excited-State Decays of Germanium-76, Kareem Kazkaz (August, 2006).

Electronics for the Neutral Current Detection Array at the Sudbury Neutrino Observatory, Charles Duba (June, 2006).