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Education

Undergraduate Institution	1976 A.B. Physics, Princeton University, Princeton, NJ
Graduate Institution	1984 Ph.D. Physics, Rockefeller University, NY, NY
Post-doctoral Fellow	1984–1987 Rockefeller University, New York, NY

Appointments

Associate Dean for Research	2008-present UNL College of Arts and Sciences
Full Professor	2008-present University of Nebraska, Lincoln, NE
Associate Professor	1993-2008 University of Nebraska, Lincoln, NE
Visiting Physicist	1993 Fermi National Accelerator Laboratory, Batavia, IL
Assistant Professor	1987-1993 University of Michigan, Ann Arbor, MI
Adjunct Lecturer	1978 Hunter College, New York, NY

Recent Grants Awarded

1. Department of Energy EPSCoR grant, “The Luminosity Measurement for the DZERO Experiment at Fermilab” (**G. Snow**) June 1, 2008-May 31, 2011 \$ 425,352
2. U.S. Dept. of Education, P200A060311 “Graduate Assistantships in Areas of National Need” (**G. Snow**, D. Claes, *et.al.*) Aug 14, 2006-Aug 13, 2009 \$ 380,016
3. U.S. Dept. of Education, P200A090156 “Graduate Assistantships in Areas of National Need” (**G. Snow**, D. Claes, *et.al.*) Aug 15, 2009-Aug 14, 2012 \$ 656,410
4. National Science Foundation, PHY-0969704 “Searching for and discovering New Physics at the LHC, Tevatron, and Cosmic Rays”, (K.Bloom, D. Claes, A.Dominguez, I. Kravchenko, **G. Snow**) July 1, 2010 – June 30, 2013 \$ 1,960,000
5. National Science Foundation, EPP-0653592 “Experimental High Energy Physics”, (D. Claes, **G. Snow**) July 1, 2007-June 30, 2010 \$ 570,000
6. National Science Foundation, ESI-9911855 “The Cosmic Ray Observatory Project”, (**G. Snow**, D. Claes) Jul 15, 2000-July 14, 2005 (extended to July, 2007) \$1,342,002

Honors

Elected Fellow of the American Physical Society (APS), 2005
UNL Chancellor’s Speakers Bureau, 2001, 2002, 2005, 2007-2012
University of Nebraska Distinguished Teaching Award, 1998
Presidential Young Investigator Award, National Science Foundation, 1988 - 1993

Recent Professional Activities

High Energy Physics research:

The **DZERO experiment at Fermilab** (1988-present): Over these years, leadership roles in the Quantum Chromodynamics physics analysis group, Inter-Cryostat Detector

construction, Speakers Bureau, Level 2 trigger, Public Tour Area, Luminosity Working Group, postdoc and graduate student advising.

The **Compact Muon Solenoid (CMS) experiment at CERN's Large Hadron Collider** (1994-present): Over these years, leadership roles in the luminosity measurement, forward physics working group, the CMS Ph.D. Thesis Award Committee, postdoc and graduate student advising.

The **Cosmic Ray Observatory Project** (2000-present): Co-leader of nationally recognized high school cosmic-ray education and research experiment in Nebraska.

The **Pierre Auger Cosmic Ray Observatory** (2000-present): Task Leader for Education, Outreach, and Public Relations, atmospheric monitoring, graduate student advising.

Professional Service

Fermi Research Alliance Board of Directors (2007-2011), Member of APS Forum on Education Executive Committee (2005), Fermilab Board of Overseers (2001-2006), Fermilab Users Executive Committee (1997-2000), UEC Chair (1998-1999), Universities Research Association Visiting Committee for Fermilab Administration and Operations (2004, 2005, 2008, 2009, 2010), UNL Dept. of Physics and Astronomy Advisory Committee (2005), NSF site visit review of the HiRes experiment in Utah (2003, 2004, 2005), NSF site visit review of the IceCube experiment in Antarctica (2003), Member APS Division of Particles and Fields Education and Outreach Committee (2003-2006), U.S. Representative to the European Particle Physics Outreach Group (2003-2007), frequent proposal reviews and review panels for NSF programs in High Energy Physics, Career Awards in Physics, SBIR/STTR, Teacher Enhancement, PAEMST, GK-12 (1989-present), Advisory Board for the QuarkNet particle physics outreach project (2001-2004), UNL Dept. of Physics and Astronomy Graduate Committee (1998-2005).

Selected Publications:

- 1.) "Correlation of the highest energy cosmic rays with nearby extragalactic objects", J. Abraham, ..., **G. Snow**, *et al.* (The Pierre Auger Collaboration), *Science* **318**, 939 (9 November 2007) (arXiv.org:0711.2256v1).
- 2.) "Observation of the suppression of the flux of cosmic rays above 4×10^{19} eV", J. Abraham, ..., **G. Snow**, *et al.* (The Pierre Auger Collaboration), *Phys. Rev. Lett.* **101**, 061101 (2008) (arXiv.org: 0806.4302).
- 3.) "Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV", V. Khachatryan, ..., **G. Snow**, *et al.* (The CMS Collaboration), *Phys. Rev. Lett.* **106** (2011).
- 4.) "Education and Outreach in the Pierre Auger Observatory", **G. Snow** for the Pierre Auger Collaboration, Proceedings of the 32nd International Cosmic Ray Conference, August 2011, Beijing, China.
- 5.) "The Cosmic Ray Observatory Project, a Statewide Education and Outreach Experiment in Nebraska, USA", D. Claes and **G. Snow**, Proceedings of the 30th International Cosmic Ray Conference, July 2007, Mérida, Mexico.
- 6.) "High Schools Join the Search for the Most Energetic Particles in the Universe, **G. Snow**, *Ferminews*, Vol. 25, p.8 (2002).

- 7.) "Search for Neutral Higgs Bosons at High $\tan\beta$ in the $b(h/H/A) \rightarrow b\tau^+\tau^-$ Channel", V. Abazov, ..., **G. Snow**, *et al.*, (The DØ Collaboration), Phys. Rev. Lett. **102**, 051804 (2009) (arXiv.org:0811.0024)
- 8.) "Improved Measurement of the Top Quark Mass", V. Abazov, ..., **G. Snow**, *et al.* (The DØ Collaboration), Nature **429**, 638 (2004); hep-ex/0406031.
- 9.) "Search for antiproton decay at the Fermilab Antiproton Accumulator", S. Geer, ..., **G. Snow**, *et al.* (The APEX Collaboration), Phys. Rev. **D62**, 052004 (2000).
- 10.) "Observation of the Top Quark", S. Abachi, ..., **G. Snow**, *et al.* (The DØ Collaboration), Phys. Rev. Lett. **74**, 2632 (1995).