Biographical Sketch

Jeffrey R. Wilson
Associate Professor
University of South Carolina
Department of Physics and Astronomy
Columbia, SC 29208
(803) 777-4650
jwilson@sc.edu

Professional Preparation

College/University	Field of Study	Degree & Year
Michigan State University	Physics	B. S. 1979
Purdue University	Physics	Ph. D 1985
University of Illinois (postdoc)	High Energy Physics	1986-1990

Academic/Professional appointments

2008 - present	Director of Undergraduate Studies, Dept. of Physics and Astronomy, USC
1995 - present	Associate Professor, Dept. of Physics and Astronomy, USC
1990 - 1995	Assistant Professor, Dept. of Physics and Astronomy, USC
1988 - 1990	Visiting Research Assistant Professor, University of Illinois
1985 - 1988	Postdoctoral Research Associate, University of Illinois

Publications (selected recent publications)

C. Alduino et al., *Double-beta decay of ^{130}Te to the first 0^+ excited state of ^{128}Xe with CUORE-0*, Eur. Phys. J. C (2019) 79: 795.

C. Alduino et al., *Study of Rare Nuclear Processes with CUORE,* Int. J. Mod. Phys. A33 (2018) no. 09, 1843002.

C. Alduino et al., *First Results from CUORE: A Search for Lepton Number Violation via* $0\nu\beta\beta$ Decay of ^{130}Te, Phys.Rev.Lett. 120 (2018) no.13, 132501.

C. Alduino et al., *Search for Neutrinoless $\beta^+\beta^-$ Decay of ^{120}Te with CUORE-0*, Phys. Rev. C97 (2018) no. 5, 055502.

C. Alduino et al., *The projected background for the CUORE experiment*, Eur. Phys. J. C77 (2017) no.8, 543.

C. Alduino et al., *Measurement of the two-neutrino double-beta decay half-life of ^{130}Te with the CUORE-0 experiment*, Eur. Phys. J. C77 (2017) no.1, 13.

Synergistic Activities

1. Provided instruction for a Summer Science Institute from 2005 to 2016. The purpose of the Institute was to train Middle School Science teachers to use inquiry techniques in their teaching. Over the years, three different set of physics-based curricula were developed: simple machines, energy, and weather.
2. Organized the "R.L.Childers Midway Physics Day at the South Carolina State Fair" from 2008 to present (co-organized the last two years.) Midway Physics Day is a yearly event where physics classes statewide come to the state fair to experience "fair physics". We hold training sessions for teachers before the fair and have mentors from the physics department present at the fair during the event. Typical attendance is 2500 high school students from 45 schools.