Biographical Sketch of Richard J. Creswick

Professional Preparation

Colorado College	Physics	BA 1974
University of California, Berkeley	Physics	PhD 1981

Academic appointments

Professor USC, 1999-Present; Associate Professor USC, 1990-1999;Assistant Professor USC, 1987-1990, NSF Postoctoral Fellow, USC, 1985-1987; Visiting Professor, USC 1984-1985; Associate Professor, Morris College 1983-1984. F.O.M. (Netherlands) Post-Doctoral Fellow, 1981-1983

Other Professional Appointments

Research Associate. Lawrence Berkeley Laboratory, 1979-1981

Recent Publications

"First Results from CUORE: A Search for Lepton Number Violation via Decay of Te-130," C. Alduino et al., Phys. Rev. Lett., **120**, 132501 (2018)

"Search for neutrinoless EC decay of 120Te with CUORE-0," C. Alduino et al., Physical Review C 97, 055502 (2018)

"Study of Rare Nuclear Processes with CUORE" The CUORE Collaboration, Intl. Jnl. Mod. Phys. **33** 1843002 (2018)

"Search for Neutrinoless β^+ EC Decay of Te-120 with Cuore-0"

The CUORE Collaboration, Phys. Rev. C 97 055502 (2018)

"CUORE and CUORE-0 Experiments", the CUORE Collaboration Nuovo Cimento C 40 60, (2017)

"Estimating the Flux of 14.4 keV Solar Axions, F.T. Avignone III, R.J. Creswick, J.D. Vergados, P. Pirinen, P.C. Srivastave, and J. Suhonen, JCAP01 021 (2018)

The Projected Background for the CUORE Experiment", The CUORE Collaboration, Euro. Phys. Jnl. **C77** 543, (2017)

"Low-Energy Analysis Techniques for CUORE", The CUORE Collaboration, Euro. Phys. Jnl. C 77 857 (2017)

"Sensitivity of the CUORE detector to 14.4 keV solar axions emitted by the M1 nuclear transition of Fe-57" Dawei Li, Richard J. Creswick, Frank T. Avignone III, Yuanxu Wang JCAP **02** 031, (2016)

"Theoretical estimate of the sensitivity of the CUORE detector to solar axions" Dawei Li, R.J. Creswick, F.T. Avignone III, and Yuanxu Wang JCAP **10** 0656 (2015)

Graduate Students Supervised

Cynthia Sisson	PhD	1993	"Decoupled Cell Monte Carlo: Theory and
			Convergence Studies of a New Method
			for Quantum Simulations"
	140	1000	Professor Emeritua LSU Shreveport
Thomas Turpin	MS	1993	"Entropic Interaction of Vacancies in a
			Spin Background"
			Software Engineer, Dept. Corrections
Andrey Pavel'yev	PhD	1997	"Numerical Calculation of the
			Restricted Density of States for the
			Three Dimensional Ising Model"
			Mathematical Modelling, Merck
William Baird	PhD	1999	"Numerical Evaluation of the Feynman
			Path Integral"
			Professor, Dept. Physics, Ga. State U.
Seung-Yeon Kim	PhD	2000	"Exact Results for the Partition
			Function of the Q-State Potts Model"
			Professor of Physics, Chungiu Nat'l U.,
			Когеа
Aleyna Parfenova	PMS	2003	PMD
Rodney Topp	PMS	2003	PMD
			Test Engineer Ansaldo STS USA
Parker Page	PMS	2004	PMD
Jennifer Norman	PMS	2005	PMD
Aki Sakamoto	PMS	2006	PMD
Jeff Baker	PMS	2006	PMD
Ryan Hudson	PMS	2007	PMD
			President ASAP Heatng and Air,
			Columbia, SC
Baowie Liu	PhD	2010	"Charge Echo in an Electron Gas"
			Computational Scientist,Dept. Physics
			and Astronomy, University of Rochester
Dawei Li	PhD	2016	"Coherent Scattering of Solar Axions"
			Software Engineer, SIOS Technology
			Corp
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