Curriculum Vitae

Craig J Copi

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POSITION	Research Associate Department of Physics Case Western Reserve University January, 1997 – present
EDUCATION	Hope College, Holland, MI B.S. *summa cum laude*, May, 1991 in Physics and Math The University of Chicago, Chicago, IL Matriculated in Physics graduate program, Autumn 1991 Passed Physics department PhD Candidacy Exam, September 1992 M.S. in physics, June 1995 PhD in physics, December 1997
RESEARCH	Research Assistant, Department of Astronomy and Astrophysics The University of Chicago (September, 1992–December 1996) Faculty Advisor: Dr. David N. Schramm Research in primordial nucleosynthesis, inhomogenous nucleosynthesis, cosmic rays, and chemical evolution Research Assistant, Department of Physics Hope College, MI (January 1989–May 1991) Faculty Advisors: Dr. Paul DeYoung, Hope College and Dr. Mort Kaplan, Carnegie Mellon University Research in experimental nuclear physics, studied entrance channel effects in decay of compound nuclei Research Assistant, Department of Physics Hope College, MI (May 1991–September 1991) Faculty Advisor: Dr. Ned Rouze Research in undergraduate education, wrote a text book covering special relativity at undergraduate to introductory graduate level
AWARDS	Eagle Scout, October 1983 Sigma Pi Sigma, April 1990 Phi Beta Kappa, April 1991 Pi Mu Epsilon, April 1991 Sigma Xi, April 1991 Albert E. Lampen Mathematics Prize, Hope College, April 1991

Douwe B. Yntema Prize in Physics, Hope College, April 1991
Van Tamlen Prize for Creativity in the Sciences, Hope College, April 1991
Graduate Assistance in Areas of National Need (GANN) Fellowship,
The University of Chicago (September 1991–September 1993)
Certificate of Merit in Undergraduate Nuclear Chemistry Research,
American Chemical Society, April 1992
NASA Graduate Student Research Program Fellowship
(September 1994–September 1996)
Sugarman Award, The Enrico Fermi Institute, The University of Chicago
(November 1995)

TEACHING

Teaching Assistant, The University of Chicago
Physical Sciences 113, Cosmology, Fall 1991
Physical Sciences 111, Classical Mechanics, Winter 1992
Physical Sciences 112, Quantum Mechanics, Spring 1992
Physical Sciences 113, Cosmology, Fall 1992
Physical Sciences 113, Everyday Physics, Fall 1993

PUBLICATIONS

David N. Schramm (with Craig J Copi and Brian Fields)
"The Big Bang Strikes Back"
New Scientist **138** *1878* 31 (1993)

Craig J Copi, David N. Schramm, and Michael S. Turner
"Big-Bang Nucleosynthesis and the Baryon Density of the Universe"
Science **267** 192 (1995)

Craig J Copi, Keith A. Olive, and David N. Schramm
"Large Scale Baryon Isocurvature Inhomogeneities"
Astrophysical Journal **451** 51 (1995)

Craig J Copi and David N. Schramm
"The Nuclear Impact on Cosmology: The H_0-Ω Diagram"
Comments in Nuclear and Particle Physics, **22** 1 (1996).

Craig J Copi, David N. Schramm, and Michael S. Turner
"Big-Bang Nucleosythesis and a New Approach to Galactic Chemical Evolution"
Astrophysical Journal Letters, **455** L95 (1995).

Craig J Copi, David N. Schramm, and Michael S. Turner
"Assessing Big-Bang Nucleosythesis"
Physical Review Letters, **75** 3981 (1995).

Michael S. Turner, James W. Truran, David N. Schramm, and Craig J Copi
"Cosmological Implications of the First Measurement of the Local ISM abundance of ^{3}He"
Astrophysical Journal Letters, **446** 59 (1996).

Craig J Copi, David N. Schramm, and Michael S. Turner
"The Big-Bang Nucleosynthesis Limit to the Number of Neutrino Species"
Physical Review D, **55** 3389 (1997).

Martin Lemoine, David N. Schramm, James W. Truran, and Craig J. Copi
"On the Significance of Population II ^{6}Li Abundances"

Astrophysical Journal, **478** 554 (1997).

Craig J. Copi
"A Stochastic Approach to Chemical Evolution"
Astrophysical Journal, **487** 704 (1997).

Glenn D. Starkman and Craig J. Copi
"The Improved Resolution and Image Separation (IRIS) Satellite"
Astrophysical Journal, submitted (1997).

Brian D. Fields and Craig J. Copi
"Introducing Dispersion in Chemical Evolution"
Astrophysical Journal, in preparation (1997).

Craig J. Copi, Keith A. Olive, and David N. Schramm
"Implications of a Possible Dispersion in D/H in Quasar Absorption Systems"
Astrophysical Journal, in preparation (1997).