

Biographical Sketch – Ulrich W. Heinz (Nuclear Theory)

Professor of Physics

Department of Physics, The Ohio State University, Columbus, Ohio 43210-1117

Tel.: (614)-688-5363 email: heinz.9@osu.edu

Professional Preparation:

<i>Degree/Position</i>	<i>Institution (Supervisor)</i>	<i>Date</i>
Physics Diploma (M.Sc.)	Goethe University, Frankfurt (Greiner)	1978
Dr. phil. nat. (Ph.D., physics)	Goethe University, Frankfurt (Greiner)	1980
Postdoctoral Fellow	Yale University (Appelquist)	1980-1982
Research Assistant	Goethe University, Frankfurt (Greiner)	1982-1983
Dr. habil. (Habilitation)	Goethe University, Frankfurt	1984

Appointments:

Distinguished University Professor	The Ohio State University	2015-
Professor	The Ohio State University	2000-
Staff Member	CERN	1998-2000
Professor (C3)	University of Regensburg	1987-2000
Associate Physicist	Brookhaven National Laboratory	1986-1987
Assistant Physicist	Brookhaven National Laboratory	1984-1986
Visiting Assistant Professor	Vanderbilt University	1983-1984

Fellowships and Awards:

Most Valued Reviewer	Elsevier	2011
Outstanding Referee	American Physical Society	2008
Distinguished Scholar Award	The Ohio State University	2007
Fellow	American Association for the Advancement of Science	2005
RHIC Predictions Competition Prize	Institute for Nuclear Theory, Seattle	2002
Fellow	American Physical Society	2001
Gerhard-Hess-Prize	Deutsche Forschungsgemeinschaft	1988-1993
Habilitation Fellowship	Deutsche Forschungsgemeinschaft	1982-1984
Foreign Research Fellowship	NATO	1981-1982
Foreign Research Fellowship	Studienstiftung des Deutschen Volkes	1980-1981
Outstanding Student Fellowship	Studienstiftung des Deutschen Volkes	1973-1980
3 rd Prize, State of Hessen	“Jugend forscht” National Competition	1970

National and International Committees:

National Advisory Committee, Institute for Nuclear Theory (INT NAC)	2014-2016
Various DOE and NSF Award Selection Panels	2009-2014
Nuclear and Particle Physics Program Advisory Committee, BNL	2006-2009
Nuclear Science Advisory Committee (NSAC), DOE/NSF	2006-2008
NSAC Long Range Plan Writing Committee	2007
RHIC Science & Technology Review Committee, DOE	2006
RHIC II Science Workshops Steering and Writing Committees, BNL	2004-2006

NSAC Subcommittee on the US Heavy-Ion Nuclear Physics Program, DOE/NSF	2004
APS Division of Nuclear Physics Program Committee	2003-2005
RHIC Program Review Committee, DOE	2003
APS Topical Group on Hadronic Physics Fellowship Committee (Chair 2003-2004)	2002-2004
SPS Experiments Committee, CERN	1999-2001
LHC Experiments Committee, Physics Consultants Group, CERN	1999-2000
NuPECC, European Nuclear Physics Long Range Plan Committee	1996-1997
SPS and LEAR Experiments Committee, CERN	1991
PS and LEAR Experiments Committee, CERN	1988-1990

Editorial Boards:

Editorial Board Member	Physica Scripta	2013-
Associate Editor	Nuclear Physics A	2000-
Editor-in-Chief	Comments on Nucl. & Part. Physics	1999-
Divisional Associate Editor	Physical Review Letters (Nucl. Phys.)	1998-2000
Editorial Board Member	Acta Phys. Hung. (N.S.): Heavy Ion Physics	1994-

Professional Societies:

Member, American Physical Society (APS), Topical Group on Physics of Climate	2013-
Member, American Association for the Advancement of Science (AAAS)	2002-
Member, American Physical Society (APS), Topical Group on Hadronic Physics	2001-
Member, American Physical Society (APS), Division of Nuclear Physics	1984-
Member, American Physical Society (APS), Division of Particle Physics	1984-
Member, Deutsche Physikalische Gesellschaft (DPG)	1987-

Research field:

Theoretical nuclear physics, with the following specialties:

- creation, thermalization, and dynamics of quark-gluon plasma in relativistic heavy ion collisions
- relativistic kinetic theory and relativistic (viscous) hydrodynamics for non-Abelian plasmas
- thermal quantum field theory in and out of equilibrium
- phenomenology of particle production in relativistic heavy-ion collisions – yields, spectra, and particle correlations

Author and coauthor of over 300 publications with altogether over 22,500 citations on Google Scholar (see <http://scholar.google.com/citations?user=jV5I49wAAAAJ&hl=en>). Average number of citations per published paper: 71.1. h-index: 78 on Google Scholar, 70 on INSPIRE.

Supervised 25 Ph.D. and 17 M.Sc. theses in theoretical nuclear physics.