

## Karl-Heinz Kampert

Bergische Universität Wuppertal, School of Physics, Gaußstraße 20, 42119 Wuppertal, Germany

### Education:

- 1977 - 1983 Study of Physics (Diploma) at Münster University
- 1983 - 1986 Dissertation / PhD in High Energy Nuclear Physics at Münster University / LBL Berkeley
- 1993 Habilitation and Venia Legendi in Physics (University Münster)

### Positions held:

- 1983 - 1986 Scientific Assistant at Institute for Nuclear Physics at University Münster
- 1986 - 1989 DFG Postdoc-Scholarship at CERN
- 1989 - 1995 Assistant Professor at University Münster, Department of Physics
- 1995 - 2003 Professor at University Karlsruhe (TH)
- since 2003 Professor (chair) of Astroparticle Physics at University Wuppertal

### Scientific Functions (selected list):

- 1997 - 1999 Acting Director of Institute of Nuclear Physics at Research Centre Karlsruhe (FZK)
- 2000 - 2002 Acting Director of the Institute of Experimental Nuclear Physics (Univ. Karlsruhe)
- since 2008 Acting Director of the Interdisciplinary Centre for Applied Informatics and Scientific Computing at University Wuppertal

### Experiences:

- 1981-1998 Relativistic Heavy-Ion Collisions at Berkeley, Brookhaven, and CERN
- since 1995 Study of Cosmic Rays from  $10^{15}$  eV to the highest energies (KASCADE, Auger...)
- 2003-2011 High-Energy Neutrino-Astronomy (AMANDA and IceCube)
- since 2009 Study of nuclear matter under extreme conditions (CBM@FAIR)

### Publications:

About 750 publications in Refereed Journals and Conference-Proceedings with a total of more than 29,000 citations. Amongst these are 146 top-cited articles (more than 50 citations), 84 articles with more than 100 citations ("very well-known papers"), 24 articles with over 250 citations ("famous papers"), and 8 articles with over 500 citations („renowned papers“). The h-index is 92. A selected list of publications is maintained at

<http://astro.uni-wuppertal.de/~kampert/Publications-PDF/KHK-Publs.html>

Editor of six major conference proceedings.

### Regular Referee for:

**Journals:** Acta Astronautica, Advances in Astronomy, Advances in Space Research, Astronomy and Astrophysics, Astrophysical Journal Letters, The Astrophysical Journal, Astrophysics and Space Science, Astroparticle Physics (awarded most valuable referee 2013), IEEE, Indian Journal of Physics, Journal of Physics, Journal of Cosmology and Astrophysics (JCAP), Kluger Publisher, Modern Physics Letters, Nature, Nuclear Instruments and Methods, Physical Review Letters, Physical Review C and D (awarded APS outstanding referee 2015), Zeitschrift für Physik C (terminated), New Journal of Physics

**Funding Agencies/Institutions:** German Ministry for Science and Education (BMBF), Deutsche Forschungsgemeinschaft (DFG), Alexander von Humboldt Foundation, Helmholtz Association, DAAD, LOEWE Excellence Initiative (Hesse, German), Carl-Zeiss-Stiftung, Baden-Württemberg Stiftung, European Research

Council (ERC), FOM (Netherlands), NWO (Netherlands), National Agency for Evaluation of Universities and Research Institutes (Italy), CINECA (Italy), HoAM Foundation (Korea), Science and Technology Facilities Council (STFC; UK), NSERC (Canada), National Science Centre (Poland), Swiss National Science Foundation, Israel Science Foundation, German-Israel Foundation for Scientific Research and Development, Agencia Nacional de Evaluación y Prospectiva (Spain), Russian International Affairs Council (RIAS), Russian Science Foundation (RSF), JINR Council (Russia), Japan Society for the Promotion of Science (JSPS), Agencia Nacional de Evaluación y Prospectiva (ANEP; Spain), National Authority for Scientific Research of the Romanian Government (ANCS), FWF Austrian Science Fund

### **Professional Activities (selected list):**

- 1998 - 2003     **Spokesperson of the KASCADE Collaboration (50 scientists)**
- 2000 - 2003     Member of “Lenkungsausschuss Astro-Teilchenphysik“ of the German Ministry for Science and Education (BMBF)
- 2004 - 2009     Member of the Scientific Advisory Board of the “Centre for Underground Physics in Pyhäsalmi“ (CUPP), Finland
- 2008 - 2013     Appointed Expert by the ERC president to take part in the evaluation of ERC calls
- 2004 - 2014     Member (Vice Chair 2011-2014) of the Scientific Advisory board „Astrophysics and Astroparticle Physics“ of the German Ministry for Science and Education
- 2009 - 2016     Member (Chair I/2010-12/2016) of the Scientific Council (Wissenschaftlicher Rat) of the Helmholtz Center GSI-Darmstadt, Germany,
- 2010 - 2016     Member of the supervisory board (Aufsichtsrat) of the Helmholtz Center GSI-Darmstadt
- 2010 - 2017     Elected Member (co-chair 2013-2017) of the Committee for Astroparticle Physics (KAT) in Germany
- 2008 - 2018     Elected Member (Chair 2014-2018) of the International Union of Pure and Applied Physics (IUPAP) C4 Commission
- 2010 - 2017     **Spokesperson of the Pierre Auger Collaboration (450 scientists)**
- 2015 - 2018     Member of Astroparticle Physics International Committee (ApPIC)
- since 2000     Member & Chair of many international advisory committees for conferences on various topics of Astroparticle Physics: ICRC 2011, 2013, 2015 (Chair), 2017 (Chair), UHECR2012, UHECR2014, UHECR 2016 (Chair), UHECR 2018, UHECR 2020, CRIS 2015, SciNeGHE 2016, Gamma 2016, CSSPI6, ISMD2018 (convenor), ECRS+ 2018 (conv.), VHEPA2019, ISAPP2019, ICRC2019 (conv.), ISVHECRI 2020, CSSP20
- since 2014     Chair (vice chair 2014-2019) of the Scientific Advisory Board of Max Planck Institute for Nuclear Physics, Heidelberg
- since 2017     Member of the Alexander von Humboldt Selection Committee for research grants
- since 2017     Member of the University Council (Hochschulrat) at Bergische Universität Wuppertal
- since 2018     Member of the managing board (Vorstandsrat) of the German Physical Society
- since 2020     Member of the advisory board for the ICCR (Tokyo) Inter-University Research Program

### **Distinctions/Awards:**

- 1990             Prize for the promotion of young scientists, awarded and funded by the "Gesellschaft zur Förderung der Westf. Wilhelms Universität zu Münster" in distinction for the outstanding contributions in investigating the properties of hot nuclear matter

- 2001 Appointment to “Wissenschaftliches Mitglied” of Forschungszentrum Karlsruhe for outstanding Scientific Contributions to the research centre
- 2007 Top ten breakthrough of the year, awarded to the Pierre Auger Collaboration by Physics World
- 2012 Elected member of the Academia Europe
- 2013 Most valued Reviewer of 2013, Astroparticle Physics, Elsevier
- 2015 Outstanding Referee of American Physical Society
- 2017 Top ten breakthrough of the year, awarded to the Pierre Auger Collaboration by Physics World

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