

CURRICULUM VITAE—NIELS OBERS

PERSONAL DATA

Position (Jan. 2012-): Professor, Niels Bohr Institute, University of Copenhagen
Sep. 2012 -: Deputy Head of Department (Research)

EDUCATION and EMPLOYMENT

Masters in physics (Drs.) University of Nijmegen, Netherlands, Jul. 1987
Graduate studies in physics (PhD), University of California, Berkeley, USA, May. 1991
Postdoc, Physikalisches Institut, University of Bonn, Germany, Sep. 1991- Aug. 1993.
Postdoc, Centre Physique Théorique, Ecole Polytechnique, Palaiseau, France, Oct. 1993–Sep. 1996
CERN-Fellow, CERN, Geneva, Switzerland, Oct. 1996–Sep. 1998.
Postdoc RTN-network, Nordita, Copenhagen, Denmark, Oct. 1998–Jun. 2000.
Assistant professor, Spinoza Institute, University of Utrecht, Netherlands, Jul. 2000–Feb. 2002.
Associate professor, Theoretical Particle Physics and Cosmology, NBI, Copenhagen, Denmark, Mar. 2002-Dec. 2011

RESEARCH

Main fields of research: Theoretical particle physics, in particular string theory, gravity and gauge theories. Specific interests include black holes and holography.

Publications: 89 publications in refereed journals and 10 published proceedings; editor of one workshop proceedings. 3 published invited reviews. ORCID: 0000-0003-4947-8526.

Citations: approx. 4100 citations, h-index 41 (according to inSPIRE SLAC database, February 2017)

FELLOWSHIPS and GRANTS

5 year FOM “Springplankplaats” grant (equivalent to FNU Skou grant) in NL (used from 2000-2002)
EU-grant, RTN project “Constituents, Fundamental Forces and Symmetries of the Universe” (2004-2008)
Phd school grants of 70.000 DKK each from Faculty of Sciences (2009, 2012, 2015)
Nordita program grants of 400.000 DKK each for workshops (2012, 2016)
FNU framework grant “From Quarks to Big Bang” (2005-2007)
FNU framework grant (PI) “Fundamental Constituents of the Universe and the Quantum Structure of Spacetime” (2008-2011)
FNU major project grant (co-PI) (5.7 Million DKK) “Black Holes and their Role in Quantum Gravity” (2011-2014)
FNU project grant (PI) (2.8 Million DKK) “New Horizons in Particle and Condensed Matter Physics from Black holes” (2013-2017)
FNU project grant (PI) (6.3 Million DKK) “Towards a Deeper Understanding of Black Holes with Non-Relativistic Holography” (2017-2021)

(SELECTED) SCIENTIFIC-ADMINISTRATIVE RESPONSIBILITIES

Acting Head of Department, NBI, Copenhagen, Denmark, Jan. 2017-Aug. 2017
Head of Section, Theoretical Particle Physics and Cosmology, NBI (July 2007-August 2012)
Management Committee member in the COST action “Gravitational waves, black holes and fundamental physics” (2017-2021)
Management Committee member in the COST action “Quantum Geometry” (2015-2019)

Management Committee member in the COST action “The String Theory Universe” (2013-2017)
NBI coordinator of DFG Internationale Graduirtenkolleg (PhD school) “Models of Gravity” (2012-)
Representative of DK in the Nordita Subatomic Committee (2013-)
Coordinator of the Science Advisory Board visit at NBI (Jan. 2015)
Steering Committee member for Denmark in the ESF Research Networking Programme “Holograv” (2011-2016)
Scientist in charge of H2020 Marie Curie Fellowship (Dr. Cindy Keeler)
Scientist in charge of three FP7 Marie Curie Reintegration Grants
Participant of FGL (research group leader) development course (2008)
NBI coordinator of FP6 RTN network, “Forces, fundamental constituents and symmetries of the universe” (Oct. 2004-Sept. 2008)
Member of numerous NBI committees since 2002
Member of numerous PhD committees (Amsterdam, Barcelona, Copenhagen, Ecole Polytechnique, Gothenburg, Groningen, Mons, Reykjavik, Uppsala)
Scientific advisory committee member of 23rd European String Workshop, London (2018); ESF conferences in Reykjavik (2014), Munich (2013); main European string conference: Padova (2011), Madrid (2010), Zurich (2009)

Affiliations and collaborations: Collaborators in Amsterdam, Barcelona, Berkeley, Brussels, Cracow, Crete, Durham, Lisbon, Paris, Perimeter Institute (Canada), Perugia, Stockholm, Trieste, Utrecht.

Refereeing

- Referee on articles in Nuclear Physics B, Physics Letters B, Physical Review Letters, Physical Review D, Journal of High Energy Physics, Classical and Quantum Gravity, International Journal of Modern Physics A, General Relativity and Gravitation, Sci-Post. Member of advisory panel of Class. Quant. Grav.
- Referee for research proposals submitted to: NSF, BSF (US-Israel Binational Science Foundation), Czech Science Foundation, DFG (German research agency), FOM (Dutch Science Foundation), Fondecyt (Chilean Science Foundation), FWO (Research Foundation Flanders), ERC starting grants, Royal Society (UK). Member of review panel NT-3, Swedish Research Council (2017).

Organizing Committee member for 27 international conferences and workshops during period 2000-2018. Most recently:

- MITP workshop: *Applied Newton-Cartan Geometry*, Mainz, Germany, March 12-16, 2018
- Nordita program *Cosmology and Gravitational Physics with Lambda*, Stockholm, Sweden, July 30 - August 17, 2018

TALKS

Conferences and workshops: Participant in more than 148 international workshops, conferences and schools, with approximately 95 invited talks or lectures. Most recent invited talks:

- LPTENS Summer Institute XLVII. Paris, France, Aug. 21-22, 2017
- Corfu Workshop on Testing Fundamental Physics Principles Corfu, Greece, Sept. 23-28, 2017
- 7th Bangkok Workshop on High-Energy Theory, Chula University, Bangkok, Thailand, Jan. 29 - Feb. 2, 2018

Invited seminars: approx. 80 invited seminars at numerous international theoretical physics institutes.

TEACHING AND PUBLIC OUTREACH

Currently supervisor of two PhD student and two MsC students. Graduated 4 Ph.D. students and 19 Master students. Lecturer in numerous courses both at advanced level as well as undergraduate. Lecturer of MSc course *General Relativity and Cosmology* from 2009-2015 (approx. 50 students). Currently lecturer in *Introduction to String Theory* and *Introduction to Gauge/Gravity Duality*. Numerous outreach activities in form of interviews, articles and public lectures.