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# Matthias Staudacher

## 1. General Information

Name, Title: Matthias Staudacher, Prof. Dr.  
DOB, Gender: 13.09.1963, male  
Address: Institut für Physik  
Humboldt Universität zu Berlin  
Zum Großen Windkanal 6, 12489 Berlin  
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Current Position: Professor (W3)

## 2. Academic Education

Subject: Physics (1982-1987)  
University: University of Heidelberg, University of Munich, University of Illinois at Urbana-Champaign  
Degree: Master of Science

## 3. Scientific Degrees

PhD: University of Illinois at Urbana-Champaign, 1990,  
supervisor: Prof. John Kogut

## 4. Career Path

since 2010: Full Professor (W3), Institute of Physics and Institute of Mathematics, Humboldt University of Berlin  
1997 – 2010: Research Associate, Max Planck Institute for Gravitational Physics (Albert Einstein Institute), Potsdam  
1995 – 1997: CERN Stipend (Fellow), Geneva  
1993 – 1995: Chercheur Postdoctoral, Laboratoire de Physique Théorique de l'École Normale Supérieure, Paris  
1990 – 1993: Postdoctoral Fellow, Rutgers, The State University of New Jersey

## 5. Miscellaneous

2015 – 16:	Spokesman of the CRC 647 “Space - Time - Matter. Analytic and Geometric Structures”
since 2013:	Editorial Board of “Nuclear Physics, Section B”
since 2013:	Editorial Board of “Fortschritte der Physik”
2009:	Academy Award of the “Berlin-Brandenburgische Akademie der Wissenschaften”
since 2008:	Work Group (site inspectors) of the “Institute for the Physics and Mathematics of the Universe”, Tokyo/Japan
since 2008:	Editorial Board of “Journal of High Energy Physics”
1990:	Ross Martin Award for Excellence in Research
1988 – 89:	University of Illinois Fellowship
1985 – 89:	Fulbright Fellow
1981 – 87:	Stipend of the German Scholarship Foundation (Studienstiftung des Deutschen Volkes)

## 6. Publications (ten most important)

### a.) Peer reviewed publications

- [1] L. Koster, V. Mitev, M. Staudacher, and M. Wilhelm, *Composite Operators in the Twistor Formulation of  $\mathcal{N} = 4$  Supersymmetric Yang-Mills Theory*, Phys. Rev. Lett. **117** (2016), 011601.
- [2] L. Koster, V. Mitev, and M. Staudacher, *A twistorial approach to integrability in  $\mathcal{N} = 4$  SYM*, Fortsch. Phys. **63** (2015), no. 2, 142.
- [3] L. Ferro, T. Lukowski, and M. Staudacher,  *$\mathcal{N} = 4$  scattering amplitudes and the deformed Grassmannian*, Nucl. Phys. B **889** (2014), 192.
- [4] L. Ferro, T. Lukowski, C. Meneghelli, J. Plefka, and M. Staudacher, *Harmonic R-matrices for scattering amplitudes and spectral regularization*, Phys. Rev. Lett. **110** (2013), 121602.
- [5] V. Bazhanov, R. Frassek, T. Lukowski, C. Meneghelli, and M. Staudacher, *Baxter Q-operators and representations of Yangians*, Nucl. Phys. **B850** (2011), 148-174.
- [6] N. Beisert, B. Eden, and M. Staudacher, *Transcendentality and crossing*, J. Stat. Mech. **0701** (2007), P01021.
- [7] N. Beisert and M. Staudacher, *Long-range PSU(2,2|4) Bethe Ansatzes for gauge theory and strings*, Nucl. Phys. **B727** (2005), 1-62.
- [8] M. Staudacher, *The factorized S-matrix of CFT/AdS*, JHEP **05** (2005), 054.
- [9] G. Arutyunov, S. Frolov, and M. Staudacher, *Bethe ansatz for quantum strings*, JHEP **10** (2004), 016.
- [10] N. Beisert, C. Kristjansen, and M. Staudacher, *The dilatation operator of conformal  $N=4$  superYang-Mills theory*, Nucl. Phys. **B664** (2003), 131-184.