

Shreya P. Kumar
Curriculum Vitae
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PERSONAL INFORMATION

Office Address Institute for Theoretical Physics, University of Ulm, Albert-Einstein-Allee 11, D - 89069 Ulm, Germany
Email shreyapkumar@gmail.com
Date of Birth 16 September 1991
Citizenship Indian

EDUCATION

Current Ph.D., Physics
Institute: University of Ulm, Germany
Supervisor: Prof. Dr. Martin B. Plenio

2015 Perimeter Scholars International Master's program in theoretical physics
Institute: Perimeter Institute for Theoretical Physics

2014 Integrated B.Sc.-M.Sc. in Physics
Institute: Indian Institute of Technology Kanpur

RESEARCH EXPERIENCE

2016 **Testing quantum gravity using quantum optics** with Prof. Martin B. Plenio, University of Ulm

2014 **Entanglement Dynamics in Quantum Spin Chains** with Prof. V Subrahmanyam, IIT Kanpur

2013 **Ground State of Ising Model Using Matrix Product States** with Dr. Lukasz Cincio, Perimeter Institute for Theoretical Physics

2013 **Entanglement in Spin Systems** with Prof. V Subrahmanyam, IIT Kanpur

2012 **Protecting Quantum Gates with Dynamical Decoupling** with Prof. Dieter Suter, Technische Universität Dortmund

2011 **Pseudospin in Graphene** with Prof. Prasanta K. Panigrahi, IISER, Kolkata

AWARDS AND ACHIEVEMENTS

2014 **Perimeter Scholars International Award** \$30,000 (CAD) by University of Waterloo and Perimeter Institute for Theoretical Physics.

2014 Proficiency Medal for the **best M.Sc. project in Physics** by IIT Kanpur.

2013 Working Internships in Science and Engineering (WISE) scholarship €2500 (EUR) by Deutscher Akademischer Austauschdienst.

2011 Represented India at **Asian Science Camp** in Daejeon, South Korea.

2010 **Academic Excellence Award** conferred by IIT Kanpur.

- 2010 Selected for **National Initiative on Undergraduate Science** by the Tata Institute of Fundamental Research (TIFR).
- 2009 **Academic Excellence Award** conferred by IIT Kanpur.
- 2009 Represented India at **Prof. Harry Messel International Science School** at University of Sydney, Australia.
- 2008 **KVPY fellowship** Rs.524,000 (INR) conferred by IISc. Bangalore.
- 2008 Stood **1st in Regional Mathematics Olympiad** organized by National Board for Higher Mathematics.
- 2007 **National Talent Search fellowship** Rs.12,000 (INR) by Government of India.

TEACHING EXPERIENCE

- 2012 Junior Teaching Fellow at Department of Physics, IIT Kanpur.

REFERENCES

Martin B. Plenio

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