

Dirk Hornung, M.Sc.

Research group of Prof. Dr. Matthias Jamin
Institut de Física d'Altes Energies (IFAE)
Universitat Autònoma de Barcelona
Plaça Cívica
08193 Cerdanyola (Spain)

Mobile: +34 695460404
E-mail: dirkhornung91@gmail.com
Skype: dirk.hornung

Personal Information

Age 24 (born October 5th, 1991, in Fulda, Hessen)
Citizenship: German.

Professional Profile

Theoretical solid-state and high-energy physicist.
Website and application freelancer with more than 6 years of experience.
Skilled in installing and operating light and sound equipment at business events, weddings and birthdays.

Professional Experience

- 2013 - present **Fulda Strategy Group GbR - Management Consultancy**
Founder and Managing Director
Projects in the area of ERP selection and implementation, process management and software development
www.fulda-strategy.com
- 2010 - present **Eevents Fulda Gbr - Event Management**
Founder and Managing Director
Organising of company events, weddings and birthdays
www.eevents-fulda.de
- 2010 - 2014 **Hornung Webdesign - Webdesign Agency**
Founder and Managing Director
Developing and maintaining of CMS and SaaS.

Relevant Skills

- Analytical Thinking
- Communication
- Data & Statistics Analysis
- Web & App Development
- Programing
- Microsoft Office
- Adobe Creative Suite
- Windos, MacOS, Linux

Education

- 2015 - present Ph.D. student in the group of Prof. Dr. Matthias Jamin at the Institute of High Energy Physics (IFAE) of the Universitat Autònoma de Barcelona. (Spain)
- 2014 - 2015 Master student in the group of Prof. Dr. Matthias Jamin at the Institute of High Energy Physics (IFAE) of the Universitat Autònoma de Barcelona. (Spain)
- 2011 - 2014 Bachelor student in the group of Prof. Dr. Roser Valentí at the Institute of Theoretical Physics of the Goethe Universität Frankfurt (Germany)
Thesis : "Band structure studies of graphene and modified graphene structures"

Funding

- 2015 - present Ph.D. PIF grant at the Autònoma de Barcelona (Spain), 1200 €/ month

Teaching Experience

- 2015 - present Universitat Autònoma de Barcelona, Theoretical Mechanics, Teaching Assistant
- 2014 Goethe Universität Frankfurt, Quantum Mechanics I , exercise tutor
Goethe Universität Frankfurt, Math for Physicists II, exercise tutor
- 2013 - 2014 Goethe Universität Frankfurt, Math for Physicists I, exercise tutor

Publications

- 2015 Diogo Boito, **Dirk Hornung**, Matthias Jamin
"Anomalous dimensions of four-quark operators and renormalon structure of mesonic two-point correlators"
arXiv:1510.03812 [hep-ph]

Oral presentations

- 2015 Universitat Autònoma de Barcelona, Master Thesis Defense of :
"1-Loop anomalous dimensions of 4-quark operators"
- 2014 Goethe Universität Frankfurt, Group Seminar Talk: "Band structure studies of graphene and modified graphene structures"

Languages

- German: native
English: proficient
Spanish: intermediate
French: early intermediate
Hungarian: basics