



Bonn-Cologne Graduate School
of Physics and Astronomy

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- **Joint Program** – Universities of Bonn and Cologne
- **5- year Integrated program**
- **Funding** –BCGS was funded from 2007 to 2019 by the German Excellence Initiative and the Universities of Bonn and Cologne. Since 2020, funding comes from the two universities
- **Lecture Courses** – open for BCGS members



Master Program

- Research-oriented scientific education
- **Aim-** equip students with advanced scientific tools and the experience to apply them with independence, responsibility, and reflection
- **Language of Instruction - English**
- **Eligibility** – Admission to the master program requires a Bachelor of Science in physics or a comparable qualification.
- **Specialization Fields** - general relativity, quantum field theory, astrophysics, nuclear physics, condensed matter physics experiment and theory, and statistical and biological physics.

PhD Studies

- **Eligibility** - MSc degree (or equivalent) is required, find a supervisor and research project.
- **First Step-** Find a supervisor
- **Thesis Committee:** Faculties from Cologne and Bonn
- **Opportunities:** Advance classes, national & international research schools, workshops, conferences
- **Research Areas**
 - (a) **University of Bonn** – Particle Physics, Condensed matter, photonics & Astronomy
 - (b) **University of Cologne:** Astrophysics, Cosmology, Condensed matter, statistical Physics, Biophysics & experimental Nuclear Physics

Funding Options

Masters

(a) BCGS Scholarship Program (860 EUR per month)

(b) BCGS offers full scholarships for about 30 Master students per year

(c) Interviews (Scholarship): Spring

PhD

(a) Financed by research groups

Other Support

(a) Allowance for children

(b) Travel funds

(c) German classes

Department of Physics, UoC

1. Institute for AstroPhysics
2. Institute for Experimental Physics
3. Institute for Nuclear Physics (IKP)
4. Institute for Theoretical Physics
5. Institute for BioPhysics



Research in the Institute

1. Matter and Light for Quantum Computing” (ML4Q)



2. QM2 – Quantum Matter and Materials



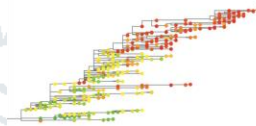
3. SFB 956/ Conditions and Impact of Star Formation



4. SFB 1238 / Control and Dynamics of Quantum Materials



5. SFB 1310 / Predictability in evolution



6. TR 183/ Entangled States of Matter



Further Information

- **Website:**

<http://www.gradschool.physics.uni-koeln.de/>
<https://physik.uni-koeln.de/en/studium/studies>

- **Information on programs, funding options and deadline**
- **Contact and Consultation**

Dr. Petra Neubauer-Guenther, Managing Director of the Graduate School
BCGS

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Or

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