



# Quirky Quarks: A Cartoon Guide to the Fascinating Realm of Physics

By Benjamin Bahr, Boris Lemmer, Rina Piccolo

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**Quirky Quarks: A Cartoon Guide to the Fascinating Realm of Physics** By Benjamin Bahr, Boris Lemmer, Rina Piccolo

Do you love quantum physics, cosmology, and the humor behind the popular television show The Big Bang Theory? Have you been on the lookout for a fun, non-technical explanation of the science behind things like time travel, wormholes, antimatter, and dark energy? You'll find all of that, and more, inside this fact-filled, cartoon-packed book.

In Quirky Quarks: A Cartoon Guide to the Fascinating Realm of Physics you'll get:

- The latest science behind the mysteries of our universe explained in common everyday language.
- A major dose of cartoons, comics, and humor.
- A good grasp on the often-bizarre nature of reality.

Start reading and you'll find that hard science does not have to be hard. Whether you're a teacher, a physicist, or just a lover of the curious, this is the book that delivers the facts in an engaging and entertaining cartoon world inhabited by two dogs, a cat, and some very quirky quarks which you might know from The Particle Zoo.

With cutting edge science articles by physicists Boris Lemmer and Benjamin Bahr, and drawings by cartoonist Rina Piccolo, this may be the most fun science reading you're likely to find out there.

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### Editorial Review

#### Review

“Quirky Quarks, also aimed at the general public, thrives on the physics explanations given by two physicists ? Benjamin Bahr and Boris Lemmer ? alongside the cartoons of Rina Piccolo. The cartoons in Quirky Quarks are creative and entertaining images that illustrate some aspect of physics. Most scientists would probably find them enjoyable. … great for science enthusiasts and those interested in the general ideas of science without overwhelming the reader with the details.” (Rhett Allain, *Nature Physics*, Vol. 12, June, 2016)

#### From the Back Cover

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#### About the Author

**Dr. Benjamin Bahr** is a quantum gravity researcher at the University of Hamburg, Germany. He and his research group work on a unification of Einstein's theory of general relativity with the principles of quantum physics. Before that, he did his PhD at the Max-Planck Institute for Gravitational Physics in Potsdam, and was a research fellow at the University of Cambridge, UK. When he is not trying to calculate what goes on inside a black hole, or what happened at the Big Bang, he likes to explain physics to laypeople – by giving public talks, or writing popular science books.

**Dr. Boris Lemmer** is an experimental elementary particle physicist, working at the University of Göttingen

and on the ATLAS Experiment at CERN. Before doing his PhD in Göttingen, he studied physics and mathematics in Gießen. He does not only love science, but also explaining it to laymen, either in books, in talks or on stage. In 2011, he won the German Science Slam championship.

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**Rina Piccolo**'s cartoons have appeared in numerous magazines including The New Yorker, Barron's Business Magazine, The Reader's Digest, Parade Magazine, and more. Her daily comic strip "Tina's Groove" is syndicated in newspapers and websites worldwide.

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