
**Special Relativity
3: Particles,
Paradoxes
& Puzzles**

by
Robert L. Piccioni, Ph.D.

**Enjoy Exploring Your Universe
with the
Everyone's Guide Series**

Real Science Publishing
3949 Freshwind Circle
Westlake Village, CA 91361, USA

Edited by Joan Piccioni

Copyright © 2013 by Robert L. Piccioni

All rights reserved, including the right Special Relativity 3: Particles, Paradoxes & Puzzles
(Everyone's Guide Series Book 22) of
reproduction in whole or in part, in any form.

Published in 2013

About the Author

Robert L. Piccioni, Ph.D.

Robert and granddaughter Isabella
You are never too young or too old
to wonder: Why?

Author, physicist, and science educator, Dr. Robert Piccioni explains the wonders of our universe at universities, high schools, churches, civic and business groups, adult education programs, and on cruise ships.

Robert has a B.S. from Caltech and a Ph.D. in high-energy physics from Stanford University. He has taught at Harvard University and at the Osher Institute at UCLA and CSUCI, where students voted him "Teacher of the Year."

He ran eight high-tech companies and holds patents in medical devices, semiconductor technology, and smart energy.

Robert is the award-winning author of three popular science books that are all top-rated by readers young and old and by professional reviewers.

Checkout Dr. Piccioni's website:

www.guidetothecosmos.com

**Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22)
for**

Printed Books each top-rated by Amazon readers:

- *Everyone's Guide to Atoms, Einstein, and the Universe*
- *Can Life Be Merely An Accident?*
- *A World Without Einstein*

?

DVDs of his most popular presentations:

- Einstein for Everyone
- Einstein and Light
- General Relativity for Everyone
- The Micro-World of Subatomic Particles
- Dark Matter & Dark Energy

-
- Can Life Be Merely An Accident?
 - Science and Faith

Newsletters on the latest scientific developments

ebook singles— *The Everyone's Guide Series*

- Einstein's Life: Persistence Overcomes Rejection
 - Einstein's Theory of Special Relativity
 - Einstein's Theory of General Relativity
 - Quantum Mechanics
 - Atoms & Telling Time with Timeless Atoms
 - Particles Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22) & Waves: Opposites All In One
 - Our Place in the Universe
 - We are Made of Stardust
- Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22)
- Black Holes, White Dwarfs, and Neutron Stars
- ...and many more

Welcome

You don't have to be a great musician to appreciate great music. My mission is to show that the same is true for science—*everyone* can enjoy the exciting discoveries and intriguing mysteries of our universe, even those who fear physics or Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22) are allergic to math.

The *Everyone's Guide Series* explores modern astronomy, physics, and cosmology, making the frontiers of science accessible to Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22) all. With short books focused on specific topics, readers can easily mix and match, satisfying their individual interests. Each self-contained book tells its own story. The *Series* may be read in any order or combination.

In a way Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22) that no printed Special Relativity 3: Particles, Paradoxes & Puzzles (Everyone's Guide Series Book 22) book could, the Series builds upon, updates, and expands on my previous award-winning, top-rated, popular science books. Since no one book can contain everything, references to supplementary material are provided.