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LHC

Large Hadron Collider

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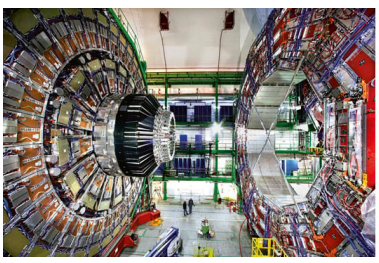
ISBN	9783901753282
Publisher	Edition Lammerhuber
Binding	Hardback
Territory	World excluding Germany, Switzerland, & Austria
Size	310 mm x 290 mm
Pages	264 Pages
Illustrations	142 color
Price	£65.00

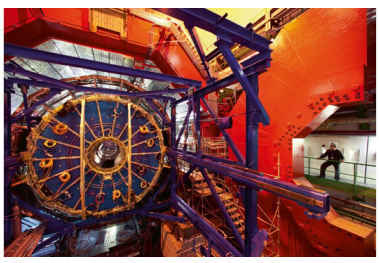
- A book about the 'World Machine' that offers scientific insights into the beginnings of our universe and answers the most fundamental questions of mankind: Where do we come from? And what happened a picosecond - 0,000 000 000 001 sec - after the Big Bang?
- Provides unique glimpses into one of the most fascinating scientific adventures of mankind. It shows how the Large Hadron Collider, the largest particle accelerator in the world, really works
- Unique, monumental photographs by Peter Ginter, one of the world's best photographers, taken through more than 15 years, invite the viewer to comprehend the largest and most complex machine ever invented by man
- This book was the highlight at the Frankfurt Book Fair: An LHC control room was brought from CERN in Geneva to Frankfurt and linked up with the original experiments. Visitors witnessed particle collisions in real time and experienced scientific research at first hand
- Composer Ralph Schutti wrote original music for the digital animation of this book.*Beautiful Music for a Beautiful Beast* (Music for the Large Hadron Collider) was performed by members of the Vienna Philharmonic Orchestra
- In November 2013 an exhibition about the Large Hadron Collider will open at theThe Science Museum, London

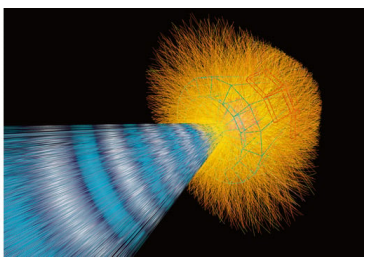
*"Sumptuous, extra-large coffee-table book with readily understandable texts."***Bild der Wissenschaft**
*"This coffee-table book looks like breaking a record. Its two-page photographs demonstrate that the Large Hadron Collider is the mother of all machines. For those who could never be on site, photographer Peter Ginter provides an impressive and aesthetic look into the World Machine."***Physik Journal**
*"It took fifteen years to complete the 27 kilometres long 'Large Hadron Collider' at the European research centre CERN. For the entire fifteen years, photographer Peter Ginter accompanied and documented the construction of the LHC and created breathtaking pictures of the technology and the people dedicated to uncovering the last secrets of particle physics.'***Frankfurter Allgemeine**

The Large Hadron Collider is the largest particle accelerator in the world, a 27-kilometre ring of superconducting magnets in a tunnel 100 m beneath the Franco-Swiss border at the CERN research laboratory. It was built to answer the most fundamental question of our universe: where do we come from? Peter Ginter, one of the world's leading photographers, acclaimed author Franzobel and Rolf-Dieter Heuer, Director General of CERN, tackle the subject of this largest and most complex machine ever imagined by man, the 'World Machine', a huge underground particle physics experiment, which will offer science insights into the beginnings of our universe. Unique and amazing photographs make the invisible visible. Peter Ginter has documented the making of the LHC over more than 15 years, not only at CERN, but also by visiting locations across the world where significant contributions have been made to the construction of the LHC. The book was published in scientific, editorial and artistic collaboration with CERN and UNESCO. Text in English, German & French.

Peter Ginteris regarded as an expert for the visual communication of high-tech attractions. He has made photo documentaries in more than 100 countries for numerous magazines. His numerous international awards include five World Press Photo Awards.**Rolf-Dieter Heuer** first worked with the JADE collaboration at PETRA, the Positron-Electron Tandem Ring Accelerator at the DESY German particle physics laboratory, later with the OPAL experiment at CERN. From 2004 till the end of 2008, he was research director for high-energy physics at DESY. In 2009 Heuer became Director General of CERN. **Franzobel** has been awarded numerous prizes, including the 1995 Bachmann Prize, the 2002 Schnitzler Prize and the 2005 Nestroy Prize.**Lois Lammerhuber** is an internationally renowned photographer and publisher. Lois Lammerhuber has been voted world-best photographer three times. He founded the Edition Lammerhuber publishing house in 1996. Many of his books have received international acclaim.**Barbara Warmbein** from the press office at CERN has contributed the captions.







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