

“Live” Review of Particle Physics

Transforming the RPP into a living, dynamical, searchable and updatable data base



Springer

Christian Caron, Michael Klinge, Stefan Scherer
CERN, Oct 6, 2012

Your Team



Dr. Christian Caron
Executive Editor
Physics

christian.caron@springer.com

Ph.D. in Theoretical Physics
University of Durham/UK



Dr. Michael Klinge
Executive Editor
SpringerMaterials

michael.klinge@springer.com

Ph.D. in Organic Chemistry
Universität Göttingen



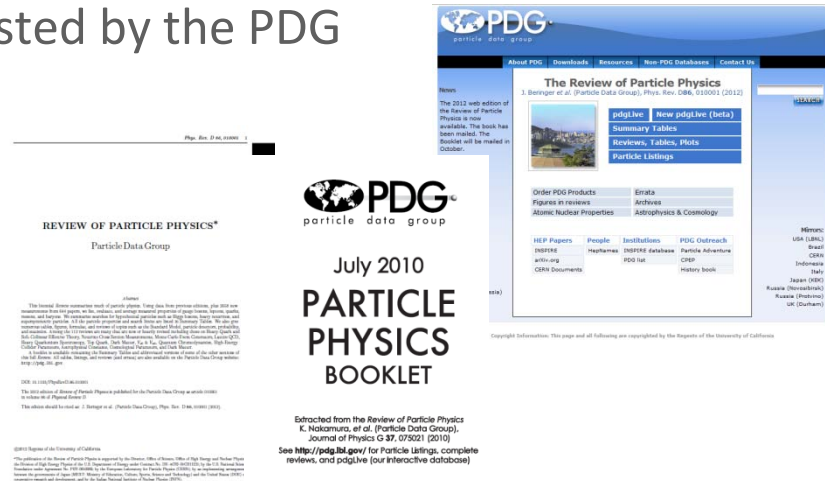
Dr. Stefan Scherer
Database Editor
SpringerMaterials

stefan.scherer@springer.com

Ph.D. in Relativistic Heavy Ion Physics
Universität Frankfurt/Main

Current Situation

- Static website maintained and hosted by the PDG
- Printed versions:
Full Review Paper, Booklet



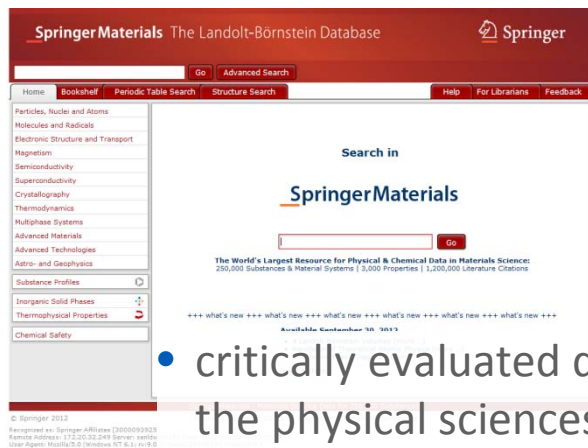
Our Plan: “Live” Review

- Dynamic, interactive, continuously updatable website hosted by Springer
- Optional print editions

Building a “Live” Review of Particle Physics

- Researchers can constantly update their contributions
 - Efficient online peer-review approval process
 - Benefits from Springer’s experience with comparable products: [SpringerMaterials](#) and [SpringerReference](#)
 - Adapt intelligent search functionalities
 - Autosuggestion in search forms supports researchers while identifying content (“speedtyping”)
 - Extensive content metadata allows for accurate and precise identification of documents
- **Timely online source for particle physics data**

Tapping into Springer's online experience



- critically evaluated data from the physical sciences
- incorporating the Landolt-Börnstein book series
- enhanced, curated metadata
- > 250 000 documents



- content from Springer's major reference works (handbooks, encyclopedias, atlases, ...)
- continuous online updating
- online peer-review
- > 250 000 entries

➤ **Adapt the technology and experience to the needs of the “Live” Review of Particle Physics**

Our Vision: SpringerParticles

- The Review of Particle Physics
- Nuclear Physics Data Bases
based on Landolt-Börnstein content on nuclear and particle physics
(\approx 50 volumes edited by Herwig Schopper)
- and more ...
- Open Access

Print Options:

- Additional booklet of the Review of Particle Physics
- Review (or parts thereof) in European Physical Journal C
and/or as separate book(s)