

Reviews of Accelerator Science and Technology (RAST)

The first two volumes of Reviews of Accelerator Science and Technology are timely, instructive and comprehensive. The journal is well laid out and, thanks to the many informative photos and diagrams, it is also easy to read. It is written in an impartial and balanced way and covers the achievements made at several laboratories around the world ... It appeals to the experts as well as to all scientists working and applying the use of accelerators. Active scientists and historians of science will appreciate this chronicle of the development of accelerators and their key role in the progress of various domains during the past century. It should be on the shelf of every scientist working with accelerators and of those with an interest in the history and future directions of accelerators and their applications.

CERN Courier



Current Issue

Volume: 3, Issue: 1 (2010)

Accelerators as Photon Sources

Editorial Preface

Invention of the Free Electron Laser

John M. J. Madey (*University of Hawaii, Manoa, USA*)

Photon Science at Accelerator-Based Light Sources

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Electromagnetic Radiation in Accelerator Physics

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Gerd Priebe (*Max Born Institute, Germany*)

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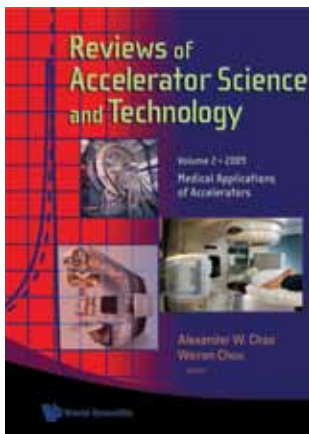
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The Large Hadron Collider from Conception to Commissioning: A Personal Recollection

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G. I. Budker: Brilliant Physicist, Great Scientific Leader

A. N. Skrinsky (*Budker Institute of Nuclear Physics, Russia*)



**RAST Volume: 2,
Issue: 1 (2009)**
**Medical Applications
of Accelerators**

The theme of this volume, "Medical Applications of Accelerators", is of enormous importance to human health and has a deep impact on our society. The invention of particle accelerators created a whole new world for producing energetic X-rays, electrons, protons, neutrons and other particle beams. Immediately these beams found revolutionary applications in medicine.



**RAST Volume: 1,
Issue: 1 (2008)**
**An Overview Across
the Entire Accelerator
Field**

Particle accelerators are a major invention of the 20th century. In the last eight decades, they have evolved enormously and have fundamentally changed the way we live, think and work.

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Aims and Scope

This new journal aims to provide readers with a comprehensive review of the driving and fascinating field of accelerator science and technology. It will document the tremendous progress made in the past decades and describe the bright future. RAST will cover a variety of topics, including linear and circular accelerators, high beam power accelerators, high brightness accelerators, synchrotron light sources, free electron lasers, medical accelerators, accelerators for industrial applications, advanced accelerator technologies as well as promising new breakthroughs (such as laser, plasma, wakefield acceleration, and beam physics).

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