



Design of a Cabinet Safe System for a portable particle accelerator

By Maidana, Carlos O.

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Electromagnetic optics and beam dynamics optimization. Basics, concepts and methods | As part of an accelerator based cargo inspection system, studies were made to develop a cabinet safe system by optimization of the beam optics of microwave linear accelerators working on the S-band and standing wave $\pi/2$ mode. Measurements, modeling and simulations of the main subsystems were done and a multiple solenoidal system was designed. This cabinet safe system based on a multiple solenoidal system minimizes the radiation field generated by the low efficiency of certain microwave accelerators by optimizing the RF waveguide system and by also trapping secondaries generated in the accelerator head. The electron gun was also studied and software for its right mechanical design and for its optimization was developed as well. The multiple solenoidal system and the electron gun optimization are the backbone of a cabinet safe system that could be applied to low energy microwave electron accelerators of different manufacturers. Thus, they constitute the main topic of this book which is mainly aimed to physicists, engineers and technologists interested in particle accelerator science and technology. | Format: Paperback | Language/Sprache: english | 160 gr | 112 pp.



READ ONLINE
[5.02 MB]

Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publication i have read. Your life period will probably be enhance the instant you total looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication i actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. Its been written in an exceptionally simple way in fact it is just right after i finished reading this ebook where actually transformed me, alter the way i really believe.

-- Dr. Celestino Spinka III

Other PDFs



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you can. Digitally preserved and previously accessible...



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you can. Digitally preserved and previously accessible only...



The Ethical Journalist (New edition)

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, The Ethical Journalist (New edition), Tony Harcup, 'Harcup's interviews with local journalists reveal the complexity of acting ethically through insightful discussions of professional rivalry, the demands of editors and the consequences for local...



Forest Fairytale Knits

Paperback. Book Condition: New. Not Signed; Stephanie Dosen has quickly gained iconic status among knitters: her patterns readily sell out online, and she has been given feature coverage in both mainstream and knitting magazines, including Handmade Living and Simply Knitting. Today's avid,...