



Programming and Computer Techniques in Experimental Physics

By D. V. Skobel tsyn

Springer Apr 2012, 2012. Taschenbuch. Book Condition: Neu. 279x210x7 mm. This item is printed on demand - Print on Demand Neuware - InhaltsangabeThe Calculation of Nucleon Cascades in Nuclei by the Monte-Carlo Method.- Beam Behavior in a Sector Cyclotron.- 1. Harmonic Analysis of the Magnetic Field.- 2. Determination of Equilibrium Orbits.- 3. Orbit Stability, Betatron Oscillations. - 4. Analysis of Vertical Motion.- 5. The Calculation of Trajectories for Ion Drift in an Inhomogeneous Magnetic Field.- Literature Cited.- Vassal (Automatic Memory Allocation System).- 1. Input Language for the Vassal Translator.- 2. Some Remarks on Programming in Vassal.- 3. Translator Operation.- 4. Rules for Pending Vassal Program.- Literature Cited.- Determination of Reactions Cross Sections from Counter-Telescope Data.- I. Relation Between the Output and the Cross Section. - 1. Formulation of Experiment. Definitions.- 2. Calculation of the Cross Section from the Output without Correction for Multiple Scattering.- 3. Multiple Scattering.- II. Calculation of the Output in the Case of the Compton Effect and the Photoproduction of Neutral Mesons on Hydrogen.- 1. Definitions and Additional Restrictions.- 2. Evaluation of the Multiple Integral. - 3. Analysis of the Output Integrand.- 4. Determination of the Range of Integration for the Entire Integrand.- III. Program for Calculations on the M-20...



READ ONLINE [9.49 MB]

Reviews

This created ebook is great. it was writtern very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think.

-- Aglae Becker

This ebook is definitely worth buying. It is definitely basic but excitement within the fifty percent in the ebook. Its been designed in an extremely straightforward way which is merely following i finished reading this ebook where basically changed me, alter the way in my opinion.

-- Ward Morar