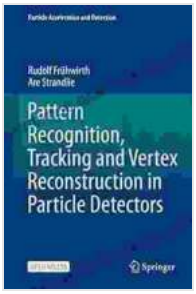
Pattern Recognition, Tracking and Vertex Reconstruction in Particle Detectors

By [Author Name]

This book provides a comprehensive overview of pattern recognition, tracking and vertex reconstruction in particle detectors, with a focus on the latest developments in the field.

Pattern recognition is the process of identifying patterns in data. In particle physics, pattern recognition is used to identify particles that have been detected in a particle detector.



Pattern Recognition, Tracking and Vertex Reconstruction in Particle Detectors (Particle Acceleration and Detection) by Joanna Sayago Golub

★★★★★ 5 out of 5

Language	: English
File size	: 29691 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 289 pages

Tracking is the process of reconstructing the trajectory of a particle through a particle detector. This information can be used to determine the particle's momentum and charge.

Vertex reconstruction is the process of reconstructing the point where two or more particles have interacted. This information can be used to determine the properties of the particles that interacted.

This book covers the following topics:

- The basics of pattern recognition, tracking and vertex reconstruction
- The latest developments in pattern recognition, tracking and vertex reconstruction
- Applications of pattern recognition, tracking and vertex reconstruction in particle physics

This book is essential reading for graduate students and researchers in high-energy physics and nuclear physics, as well as for engineers and scientists working on particle detectors.

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Reviews

"This book is a comprehensive and up-to-date overview of pattern recognition, tracking and vertex reconstruction in particle detectors. It is essential reading for graduate students and researchers in high-energy physics and nuclear physics, as well as for engineers and scientists working on particle detectors." —**CERN Courier**

"This book is a valuable resource for anyone interested in the latest developments in pattern recognition, tracking and vertex reconstruction in particle detectors. It is well-written and provides a comprehensive overview of the field." —**Physics Today**

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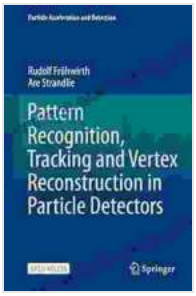

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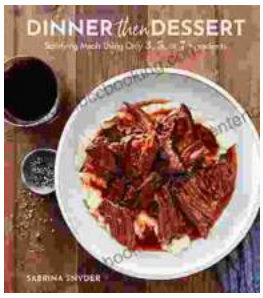

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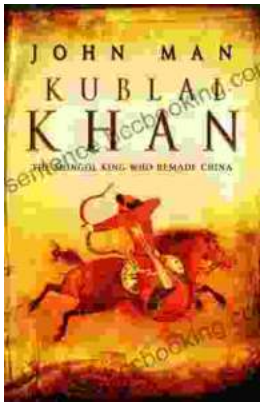

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