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Innovative Applications and Developments of Micro-Pattern Gaseous Detectors

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Innovative Applications and Developments of Micro-Pattern Gaseous Detectors

Tom Francke and Vladimir Peskov



Part of the Advances in Chemical and Materials Engineering Book Series

Tom Francke (Myon, Sweden) and
Vladimir Peskov (CERN, Switzerland)

Study of nature and the world around us has been a primary motivation for scientists and researchers for centuries. Advanced methods in the study of elementary particles have led to even greater discoveries in recent years.

Innovative Applications and Developments of Micro-Pattern Gaseous Detectors focuses on the analysis and use of various gas detection systems, providing a detailed description of some of the most commonly used gas detectors and the science behind them. From early detectors to modern tools and techniques, this book will be of particular use to practitioners and researchers in chemical engineering and materials science, in addition to students and academicians concentrating in the field.

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- Gaseous Electron Multipliers
- Microdot Detectors
- Microstrip Gas Counters
- Multiwire Proportional Counters
- Operation and Maintenance
- Parallel Plate Detectors
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