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Radiation Detection and Measurement, Third Edition | G. F ...

Radiation Detection and Measurement: Author: Glenn F. Knoll: Edition: 4, illustrated: Publisher: John Wiley & Sons, 2010: ISBN: 0470131489, 9780470131480: Length: 864 pages: Subjects

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Radiation Detection and Measurement - Glenn F. Knoll

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Glenn F. Knoll-Complete Solutions Manual to Radiation Detection and Measurement-Wiley (2010 ) solution. 大学. Waseda University. コ | ス. Physics. 書籍名 Radiation Detection and Measurement; 著者. Glenn F. Knoll

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Glenn F. Knoll-Complete Solutions Manual to Radiation

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Description. Known for its comprehensive coverage and up-to-date literature citations, this classic text provides students and instructors with the most complete coverage available of radiation detection and measurement. Over the decade that has passed since the publication of the 3rd edition, technical developments continue to enhance the instruments and techniques available for the detection and spectroscopy of ionizing radiation.

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Radiation Detection and Measurement, 4th Edition | Wiley

Rad. Detect & Measure, 2008 (TKL) Poisson PDF

- Radioactive decay and detection are Poisson random processes – Observation time is short compared to the half-life of the source
- probability of radioactive decays (i.e.,  $p$ ) remains constant
- probability of a given nucleus undergoing decay is small
- Variance – Variance = mean =  $pN = x$

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Radiation Detection and Measurement

Radiation Detection and Measurement. Glenn F. Knoll.

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Glenn F. Knoll is the author of Student Solutions Manual to accompany Radiation Detection and Measurement, 4e, published by Wiley.

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Knoll, G.F. (1989) Radiation Detection and Measurement ...

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research interest have centered on radiation measurements, nuclear instrumentation, and ...

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Detection and Measurement - Mirion Model 375 is a digital area monitor controller for radiation measurement or detection. Its simple design accommodates many different detectors, suiting a wide...

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The collection of these ions will produce a charge on the electrodes and an electrical pulse across the detection circuit. In air, the average energy needed to produce an ion is about 34 eV, therefore a 1 MeV radiation completely absorbed in the detector produces about  $3 \times 10^4$  pair of ions. However it is a small signal, this signal can be considerably amplified using standard electronics.

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