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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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Lecture | Lothar
Strüder GAMMA
RAY
SPECTROSCOPY
AT WIT • Dr.
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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 x
10⁴ pair of ions.
However it is a small
signal, this signal can
be considerably
amplified using
standard electronics.
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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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citations, this classic
text provides
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developments
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techniques available
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Detection and Measurement and it was written by Glenn F. Knoll. This particular edition is in a Hardcover format. This books publish date is Aug 16, 2010 and it has a suggested retail price of \$249.95. It was published by Wiley and has a total of 864 pages in the book.

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is short compared to
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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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edition of this book
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methods for the
detection and
measurement of
ionizing radiation
have undergone
significant evolution.