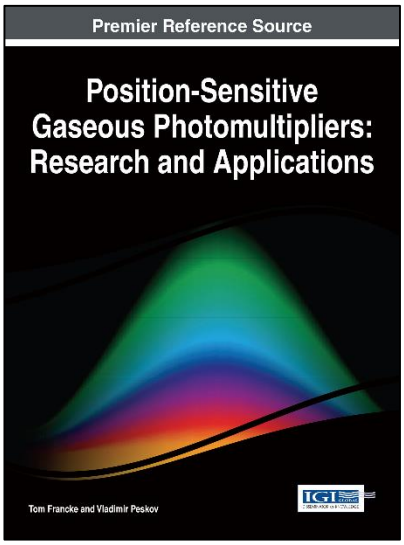
Position-Sensitive Gaseous Photomultipliers: Research and Applications



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Description:

Gaseous photomultipliers are defined as gas-filled devices capable of recording single ultraviolet (UV) and visible photons with high position resolution. Used in a variety of research areas, these detectors can be paired with computers to treat and store imaging information of UV-light.

Position-Sensitive Gaseous Photomultipliers: Research and Applications explores the advancement of gaseous detectors as applied for single photon detection. Emphasizes emerging perspectives and new ways to apply gaseous detectors across research fields.

Readers:

This research-based publication is an essential reference source for engineers, physicists, graduate-level students, and researchers.

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Topics Covered:

- Applied Photo-Sensitive Detectors
- Cherenkov Detectors
- Electron Multiplication
- Gaseous Detectors
- Liquid Photocathodes
- Single Photon Detectors

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Tom Francke is an internationally recognized scientist and entrepreneur, specializing in innovation and development of advanced radiation instruments and other novel technology. For 15 years, Dr. Francke served as a senior scientist in astroparticle physics developing radiation instruments for particle physics experiments and space research, mainly for CERN and NASA. During these years he served at CERN, Switzerland, CNRS, France, KTH, Sweden and New Mexico State University, USA. He has since then founded and/or contributed to grow a number of successful companies serving as CEO, CBO or chairman of the board, including XCounter (listed on AIM of the London Stock Exchange), Super Sonic Imagine (France), Tacton (Sweden), Conflux (Sweden) etc. All companies have invented and developed advanced new technology which has been commercialized internationally. Tom Francke is associate professor in particle physics from KTH, Sweden. He is the inventor of 61 patent families, has published more than 100 scientific articles and received a number of international awards.