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Nota di contenuto	[Front cover] -- [Front matter] -- Table of contents -- High position resolution MRPC developed for muon tomography -- Design of a large area tomograph to search for high-Z materials inside containers by cosmic muons -- Online Baggage Inspection with single-slice-helical CT -- Activation of sodium iodide detectors in an Active Interrogation environment -- Signal analysis and data fusion methodologies -- Material recognition with dual energy Single-slice-Helical CT -- Photofission for active SNM detection II: Intense pulsed $^{19}\text{F}(p,\alpha)^{16}\text{O}$ characteristic ? source -- Pulse shape discrimination for CLYC based handheld instruments -- A NaI(Tl) scintillator for in situ environmental studies and laboratory detection measurements of aqueous potassium chloride -- Neutrons for active detection of special nuclear material: An intense pulsed $^7\text{Li}(p,n)^7\text{Be}$ source -- Study of 3D reconstruction algorithm used in cosmic-ray muon radiography.