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Titolo	Radiation Safety : Management and Programs // by Haydee Domenech
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ISBN	3-319-42671-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (334 p.)
Disciplina	333.7
Soggetti	Radiation - Safety measures Radiation—Safety measures Medical physics Radiation Chemistry Nuclear energy Radiology Effects of Radiation/Radiation Protection Medical and Radiation Physics Safety in Chemistry, Dangerous Goods Nuclear Energy Imaging / Radiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	What Does Ionizing Radiation Mean? -- Biological Effects of Ionizing Radiation -- Radiation Sources: Benefits and Risks -- Basic Quantities and Units in Radiation Safety -- Measuring Instruments and Methods -- Dose Assessment -- Shielding -- Exposure Situations -- Regulations and Regulatory Control -- The Management System for Safety -- General Principles of Radiation Protection -- Occupational Radiation Protection -- Public Radiation Protection -- Radioactive Waste Management -- Transport of Radioactive Materials -- Emergency Exposure Situations -- Radiation Protection Program Details.
Sommario/riassunto	This book discusses important fundamentals of radiation safety with specific details on dose units, calculations, measuring, and

biological effects of ionizing radiation. The author covers different exposure situations and their requirements, and relevant legislation and regulations governing radiation safety. The book also examines radioactive waste management, the transport of radioactive materials, emergency planning and preparedness and various examples of radiation protection programs for industrial, medical, and academic applications. .
