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Chapter 3 Electromagnetic and Particulate Radiation ...

3.1 THE ATMOSPHERIC FILTER. Earth's atmosphere

is a continuously variable filter operating on the quasicollimated extraterrestrial direct beam, or direct normal, solar radiation I_0 , the extraterrestrial radiation (ETR) direct normal irradiance (DNI) as shown in Figures 1.3 and 1.4 of Chapter 1.

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CHAPTER THREE RADIOBIOLOGICAL MODELS 3.0 WHY MODEL RADIOTHERAPY? Radiation produces its effect by the production of random lesions within the genome. Relatively low radiation doses can cause rare sporadic effects such as leukaemogenesis. At higher doses, such as those used in radiotherapy, the accumulation of many random

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Chapter 3: Modeling of Absorbed Power Coupling Efficiency In this chapter, the modeling of absorbed power coupling efficiency is introduced. The amount of absorbed power on the device can be adjusted by modulating the power of incoming optical signal, and this modulation results in a device with wavelength dependence.

Chapter 3: Modeling of Absorbed Power Coupling Efficiency

3.2 BASIC PRINCIPLES OF RADIATION PROTECTION . 3.2.1 The ICRP system of radiological protection . Types of Exposure Situations • Planned exposure situations • Emergency exposure situations • Existing exposure situations . The use of radiation in Nuclear Medicine is a . planned exposure situation.

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