Personal Library of LaTeX Code

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Updated: Tue 8/18/15

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1 Section Header

1.1 Subsection Header

1.1.1 Subsubsection Header

1.1.1.1 Paragraph Label subequations as (1a, 1b ...)

$$P_c = 5\,\text{mSv/yr} = 0.1\,\text{mSv/wk} \tag{1a}$$

$$P_u = 1\,\text{mSv/yr} = 0.02\,\text{mSv/wk}. \tag{1b}$$

Scientific notation in math type 4.997×10^9 and in text 3.545×10^7

Highlight text red for editing purposes.

Table 1: A sample table with caption above.

Parameter	Value	Unit	Description
d_{pri}	6.71 ± 0.01	m	distance from source to 1 m past the primary barrier
d_{sec}	4.88 ± 0.01	m	distance from source to 1 m past the secondary barrier
d_{sca}	1.0 ± 0.01	m	distance from source to phantom
$\dot{X}_U$	2458 ± 4	R/hr	unattenuated exposure rate 1 m from the source
$\dot{X}_S$	1520 ± 100	mR/hr	scattered exposure rate 1 m from patient surface
$\dot{X}_L$	1800 ± 300	μR/hr	exposure rate due to leakage 1 m from the source
S_p	*to be determined*	m	thickness of primary barrier
S_s	*to be determined*	m	thickness of secondary barrier

A reference in the text [1]. Reference 2 is not cited in the text but appears in the reference section.

References

[1] NCRP Report 151. Structural shielding design and evaluation for megavoltage x- and gamma-ray radiotherapy facilities. Technical report, National Council on Radiation Protection and Measurements, 2005.

[2] NCRP Report 49. Structural Shielding Design and Evaluation for Medical Use of X-rays and Gamma Rays of Energies up to 10 MeV. Technical report, National Council on Radiation Protection and Measurements, 1976.