

Errata: *Nuclear Energy*, Eighth Edition, Elsevier, © 2020
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Page 56, Equation (4.11) should be ${}^1_9\text{F} \rightarrow {}^{18}_8\text{O} + {}^0_{+1}\text{e} + \nu$

Page 61, the 2nd sentence after Eq. (4.32) should read “We can easily check that the units of j are $1/(\text{cm}^2 \cdot \text{s})$ and that of Σ is $1/\text{cm}$, so that the units of R become $1/(\text{cm}^3 \cdot \text{s})$.”

Page 185, Example 11.8, the last equation should be

$$\dot{H} = \frac{\Gamma A}{r^2} = \left(0.34 \frac{\text{mSv} \cdot \text{m}^2}{\text{GBq} \cdot \text{h}} \right) \frac{(0.02 \text{ GBq})}{(0.5 \text{ m})^2} = 0.027 \text{ mSv/h}$$

Page 434, Exercise 22.1, insert “(a)” before “Using decay data...”

Page 466, Exercise 23.6(a) should read “Calculate the maximum decay heat **generation rate** from a...”

Page 573, the atomic mass of Co-60 is 59.933816299 instead of 60.932476620 (which is for Co-61).