



Corrigendum to “Thermal-hydraulic safety analysis of radioisotope production in HANARO using MCNP6 and COMSOL multiphysics: A feasibility study” [NET 55(2023) p.3997]

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The authors would like to revise Table 1. The densities of Yb₂O₃ and Dy₂O₃ were input interchangeably. The density was input accurately in the MCNP and COMSOL calculations, but they were input interchangeably only in Table 1. Therefore, there is no change in the calculation results.

Table 1

Material properties of RI production targets.

RI production target	Target RI	Mass (g)	Density (g/cm ³)	Isotope	Abundance (%)
Yb ₂ O ₃	¹⁷⁷ Lu	0.5	2.08	¹⁶⁸ Yb	0.01
				¹⁷⁰ Yb	0.01
				¹⁷¹ Yb	0.13
				¹⁷² Yb	0.25

(continued on next column)

Table 1 (continued)

RI production target	Target RI	Mass (g)	Density (g/cm ³)	Isotope	Abundance (%)
Dy ₂ O ₃	¹⁶⁶ Ho	0.5	1.47	¹⁷³ Yb	0.27
				¹⁷⁴ Yb	2.23
				¹⁷⁶ Yb	97.1
				¹⁵⁶ Dy	0.01
				¹⁵⁸ Dy	0.01
				¹⁶⁰ Dy	0.03
				¹⁶¹ Dy	0.33
				¹⁶² Dy	0.57
				¹⁶³ Dy	2.25
				¹⁶⁴ Dy	96.8

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