

## Neutron imaging versus standard X-ray densitometry as method to measure tree-ring wood density

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An error occurred in Table 1. Instead of the elemental attenuation coefficients weighted along their respective proportion within the wood the attenuation coefficients of the pure elements were published. Below you will find a corrected version of the table.

**Table 1** Wood in a simplified physical model (density 0.44 g/cm<sup>3</sup>). The microscopic cross-sections of the neutrons are the average values of the energy spectrum at the NEUTRA facility at PSI

Elements	% by weight	Atomic weight $M$ (g/mol)	Nuclear density $N$ (nuclei/cm <sup>3</sup> )	Microscopic cross-section for thermal neutrons at PSI $\sigma$ (cm <sup>2</sup> )	Attenuation coefficient for thermal neutrons $\Sigma$ (cm <sup>-1</sup> )
C	50	12.01	1.10E+22	4.92E-24	5.41E-02
O	43	16	7.21E+21	4.00E-24	2.88E-02
H	6	1.01	1.57E+22	4.58E-23	7.19E-01
N	1	14.01	1.89E+20	1.18E-23	2.23E-03
Total	100				8.04E-01

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