Hydrol. Earth Syst. Sci. Discuss., 12, C4962–C4963, 2015
www.hydrol-earth-syst-sci-discuss.net/12/C4962/2015/

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Interactive comment on "Use of cosmic ray neutron sensors for soil moisture monitoring in forests" *by* I. Heidbüchel et al.

Anonymous Referee #3

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Reviewer comment: Line 204: this correction uses shielding depths (g/cm2), not pressure (hPa); however, the difference in this case would be cosmetic (or zero, if the value of 133.3 hPa was obtained from the equivalent shielding depth), so it does not matter for the results; on the other hand, if you want to be consistent with cosmic-ray literature, please make the change to shielding depth.

Author response: Since we do not know how to convert pressure to equivalent shielding depth and vice versa, we will not change anything here. Is there a conversion formula you could provide us with?

Reviewer's answer: Multiply pressure (in hPa) by 1.02 to get shielding depth (in g/cm2). The factor 1.02 is 10/9.8, and 9.8 is acceleration due to gravity.

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