

Interactive comment on “Inter-comparison study of atmospheric ^{222}Rn and ^{222}Rn progeny monitors” by C. Grossi et al.

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General comments

The manuscript describes the inter-comparison of three distinct instruments used for the measurement of atmospheric radon concentration. The topic is highly relevant given the diverse applications of radon as an atmospheric tracer and the clear benefit of documenting the performance of the most commonly used instruments for measurement of radon concentration in the air. The manuscript is clearly written and in my opinion scientifically sound. I only have some minor remarks detailed below.

C1

Specific comments

Fig. 1: maybe add small arrows pointing to the inlets, particularly in case (c)

Section 2.3: the first sentence (lines 251-252) is not clear to me... I would also suggest specifying the height at which the meteorological measurements are taken, as well as the atmospheric aerosol concentration

Figure 2: possibly display also (maybe as supplemental material) the plot of the difference time series

Section 3.3: in my opinion it is not clear that data does not show any evident pattern... for example, at least by eye, seems to me that LSCE and HRM values relative to AR-MON as well as relative to ANSTO_ODM show a decreasing trend with temperature...

Page 16, line 421: maybe aerosol loading (instead of aerosol burden)

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