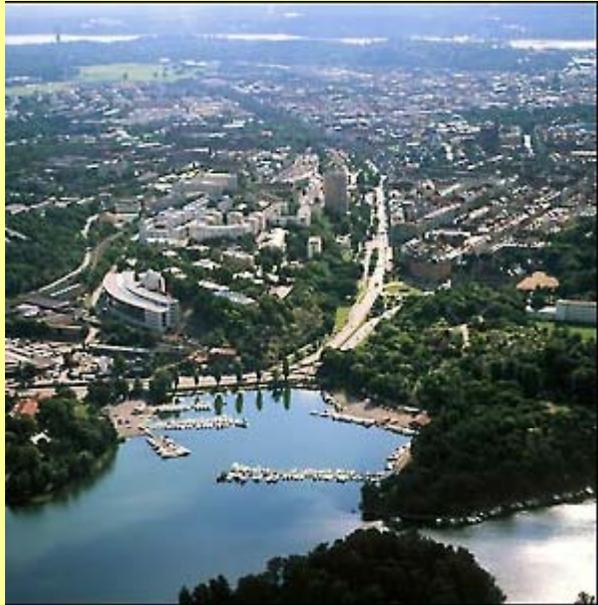


The AlbaNova whole-body scanner

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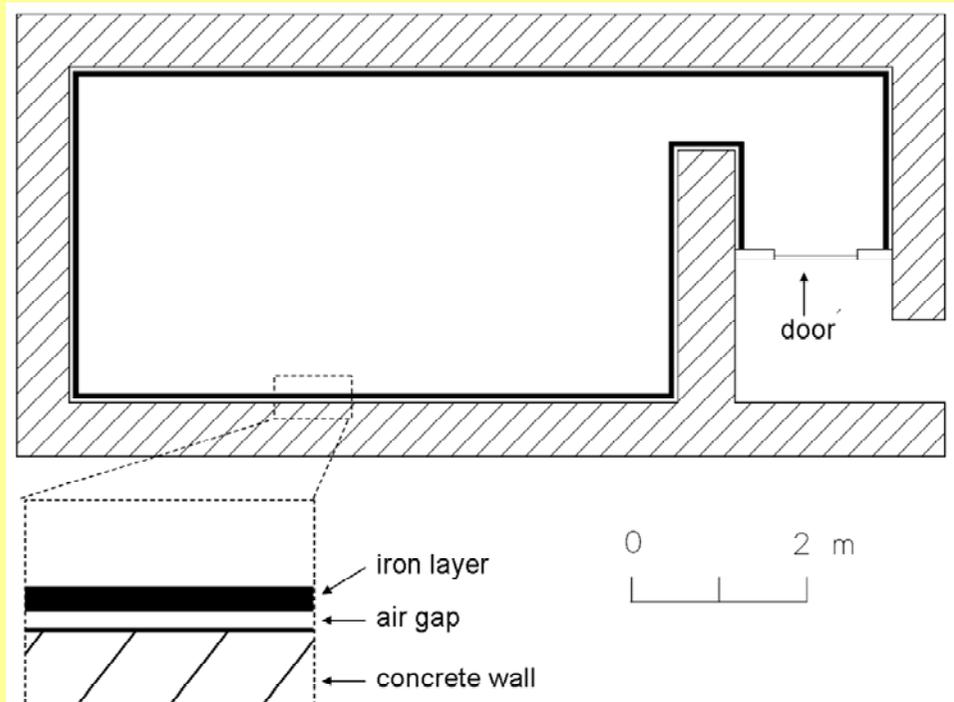




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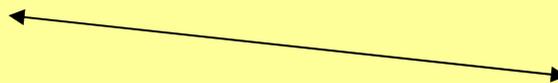




^{222}Rn : $3 \pm 2 \text{ Bq/m}^3$
Air flow: $0.083 \text{ m}^3/\text{s}$
 ^{214}Bi : $0.2 \pm 0.1 \text{ Bq/m}^3$

**Photon fluency rate from terrestrial sources down
 by a factor of 40 between 0.1 and 2.6 MeV**

178 cm



61 cm

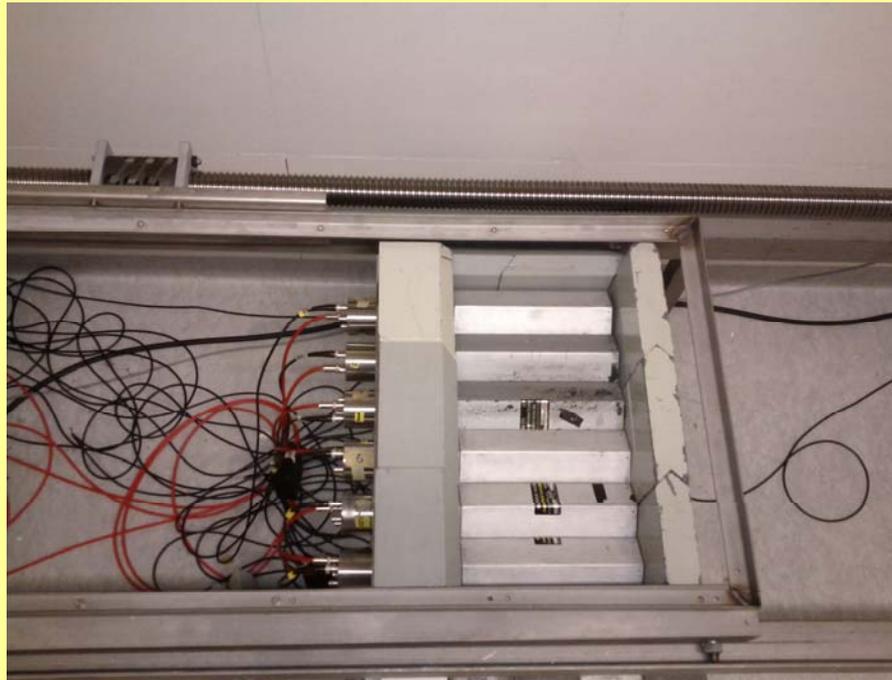
**One pass takes just over 8 min. (2.9 mm/s)
A measurement comprises two passes.**

$\sigma_{\rightarrow}=17 \text{ cm}$

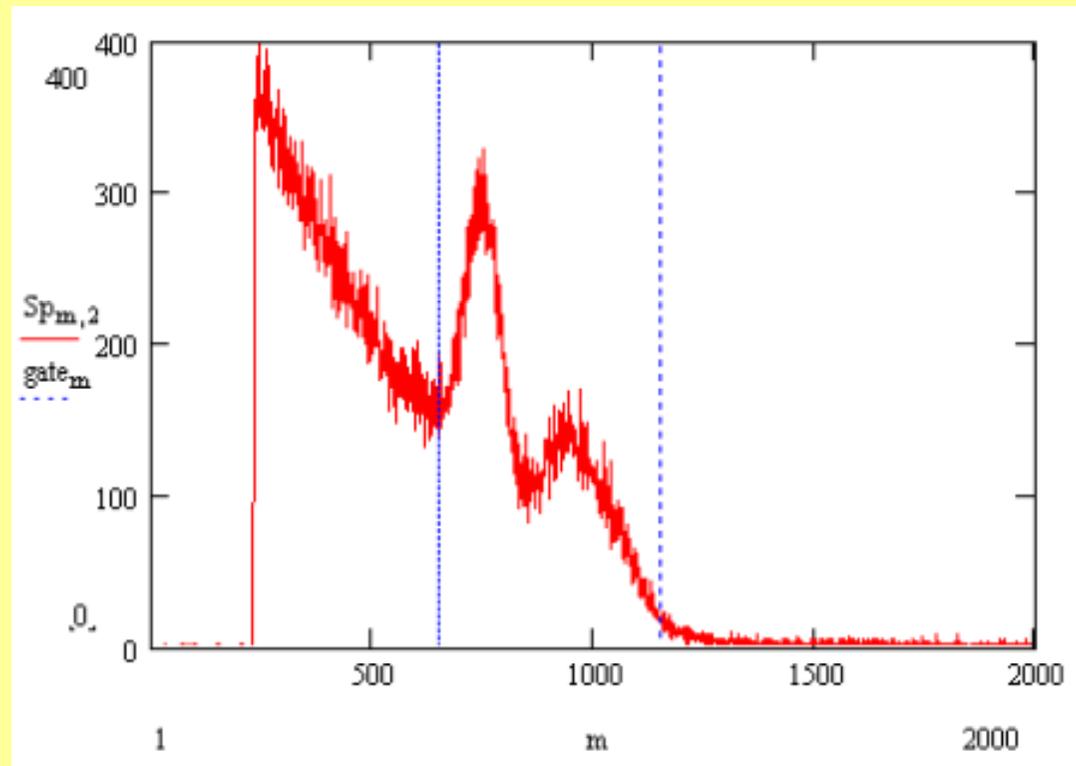
Weighted centre of activity (single pass)

$^{137}\text{Cs} : 81.3 \pm 0.7 \text{ cm}$

$^{40}\text{K} : 86 \pm 4 \text{ cm}$



$\sigma_{\uparrow}=22 \text{ cm}$



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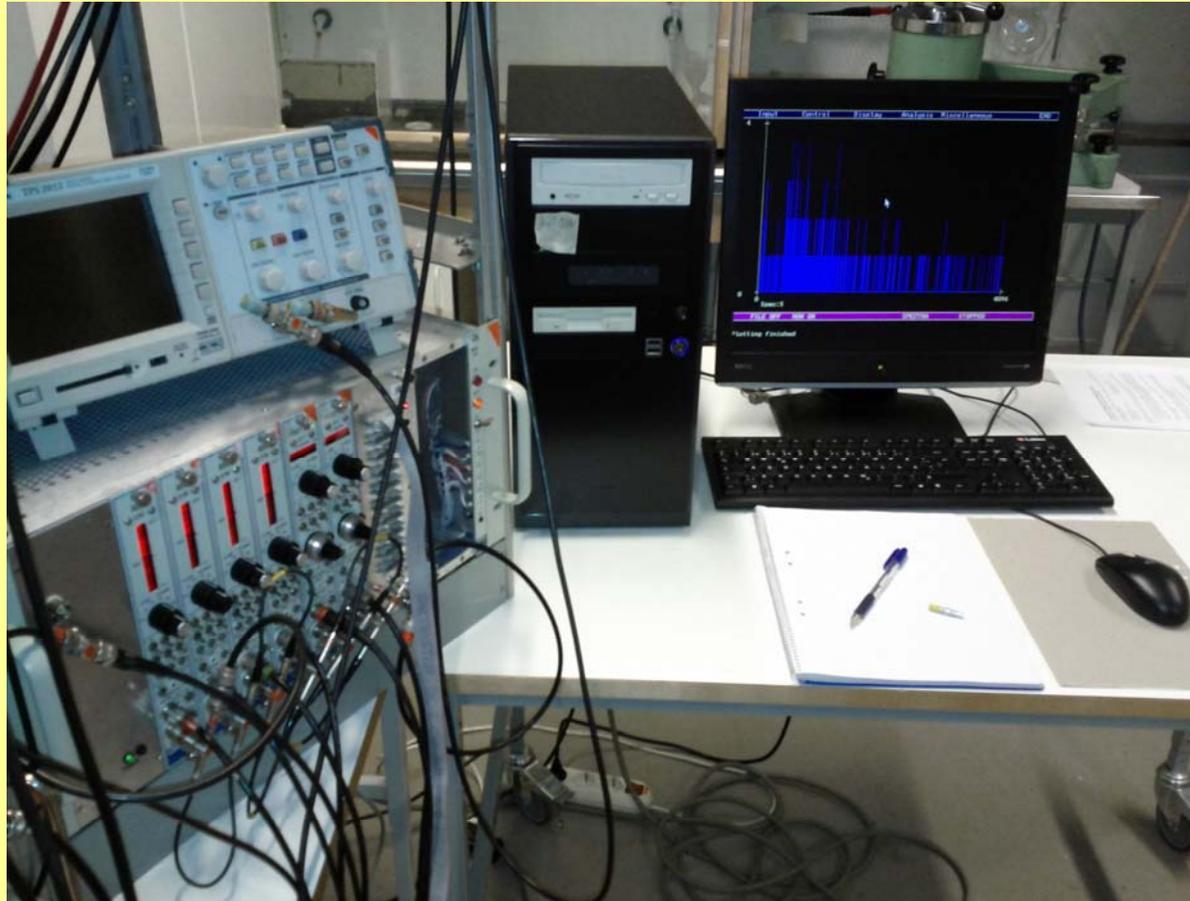




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