Rubidium as THE Radioactive Minimal Standard - v3 sgm, 2018/SEP/17

A few days ago, God inspired this brief article, but she wants **me** to take credit because of her core attribute, humility. I had two genuine candidates on my somewhat lengthy list: ⁸⁷Rb and ¹¹⁵In. The latter is 96% unstable with half-life approximately 10¹⁴. I purchased some, very inexpensive, and attempted to accurately measure its activity. "Impossible." The reason is the **fact** its activity level is **below** that of cosmic rays, 82 CPM. You'd have to be in a lead-walled room with walls **several meters thick** of lead — to minimize cosmic rays — to the point they'd become negligible. I should have said several **hundred** meters thick. 0.0 Which is why I used the word "impossible" above.

Now, ⁸⁷Rb is down to 28% unstable BUT half-life is ONLY 10¹⁰. 0.0 which means it's actually *measurable!* The activity level is 92 CPM stated at the beginning of the article (version 1); the title is *longer* in characters than lines-of-text within. Now I know FOR SURE she doesn't waste ANYthing.

"one two, tickle my shoe..
three four, close the door..
what are we waiting for?!"