

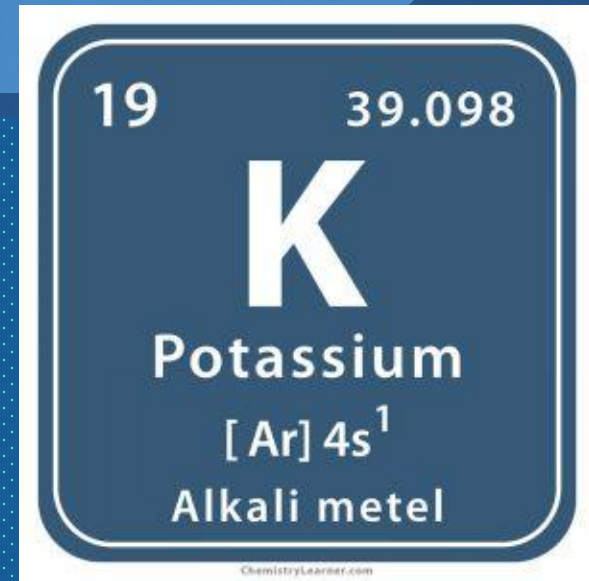
Kde se berou radionuklidy?

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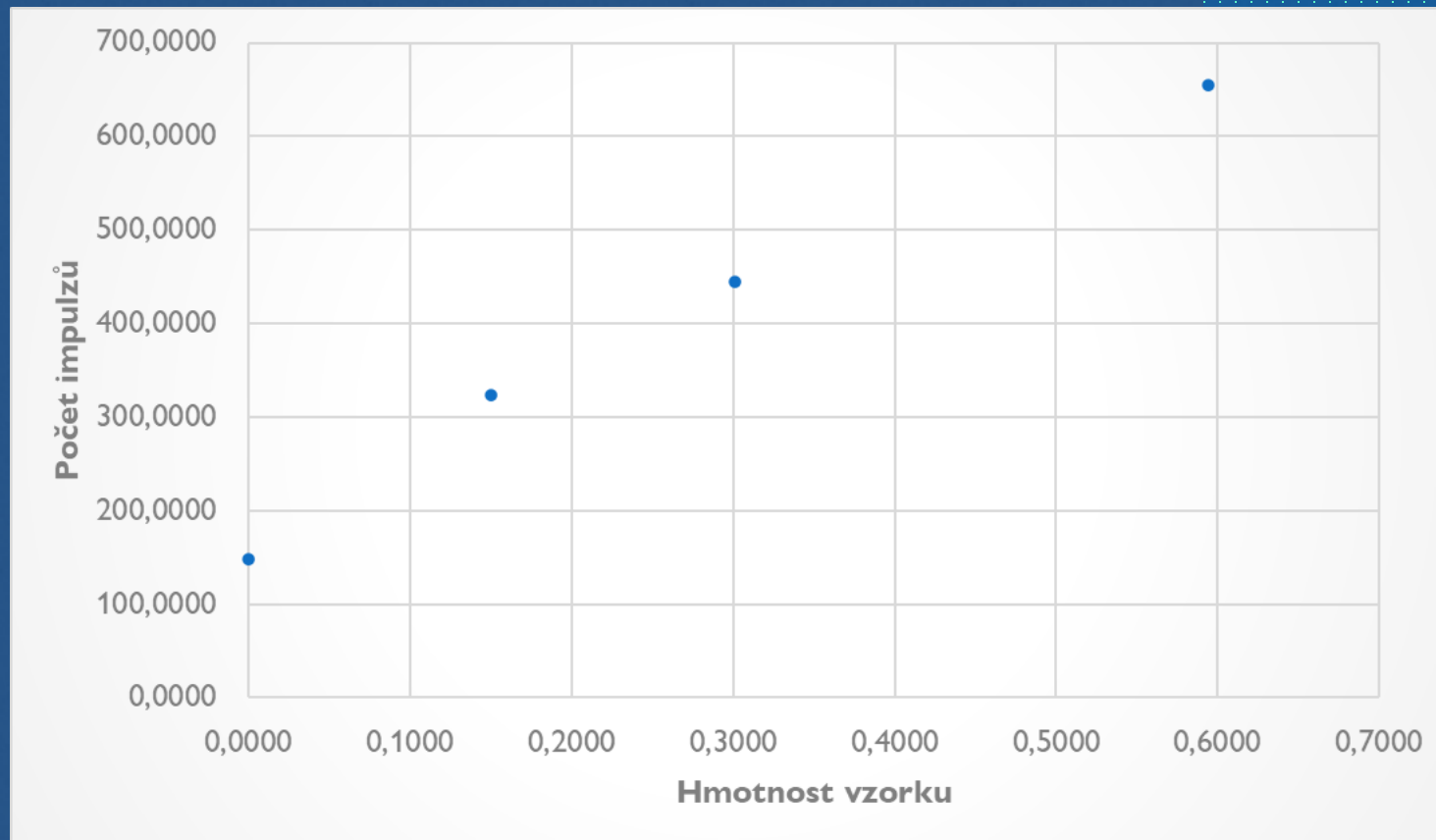


^{40}K

- 2,0-2,4%K v Zemské kůře
 - 0,0117% v K
 - $1,2 \cdot 10^9$ roku
 - 89.28% β^-
 - 10.72% β^+
-
- 0,7 Bq/g fazolí



Aktivita ^{40}K v KCl

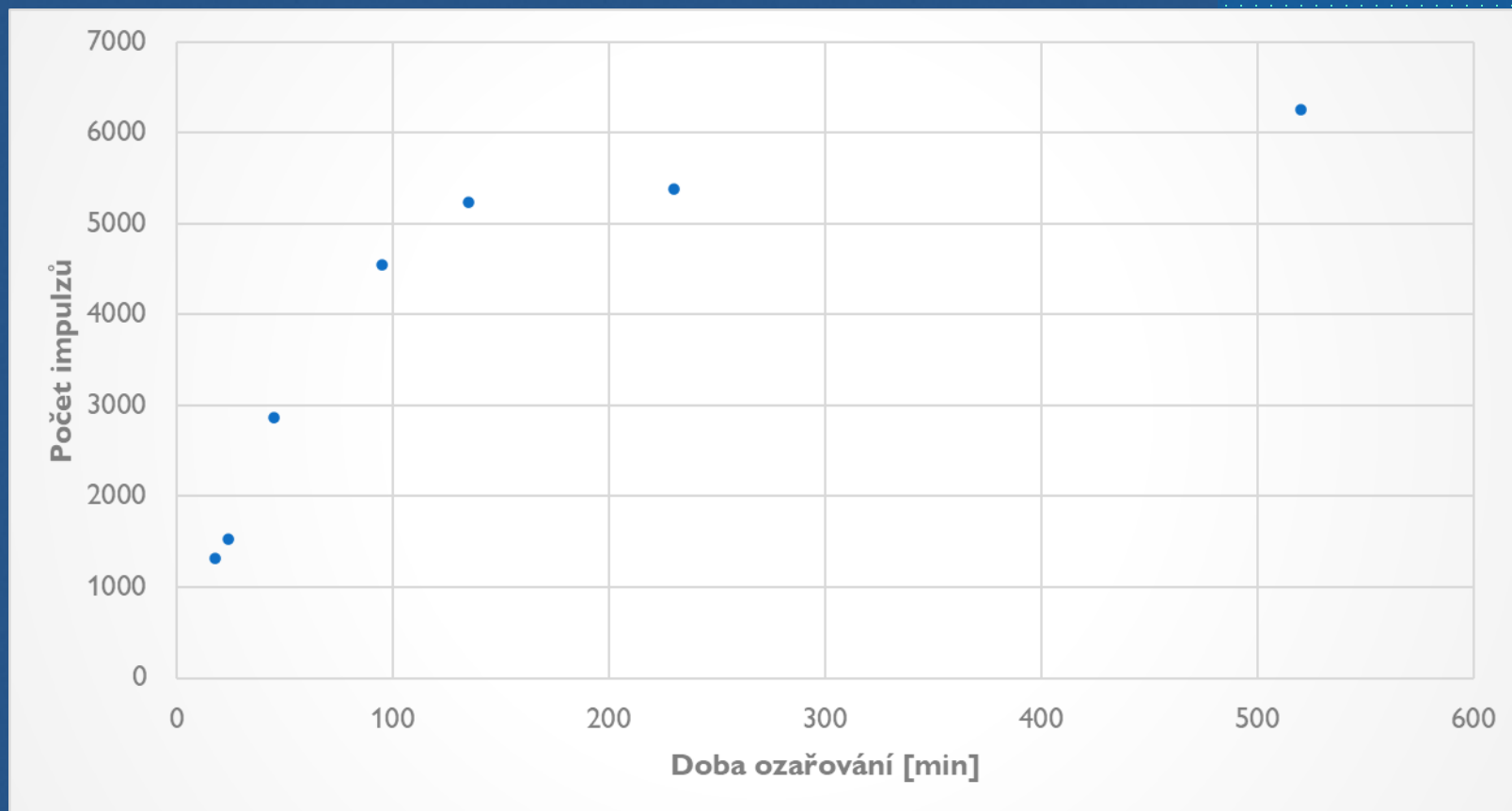


^{116m}In

- neutronový záchyt + 3 n^0
- poločas přeměny 54,29 minut
- zaniká β^-

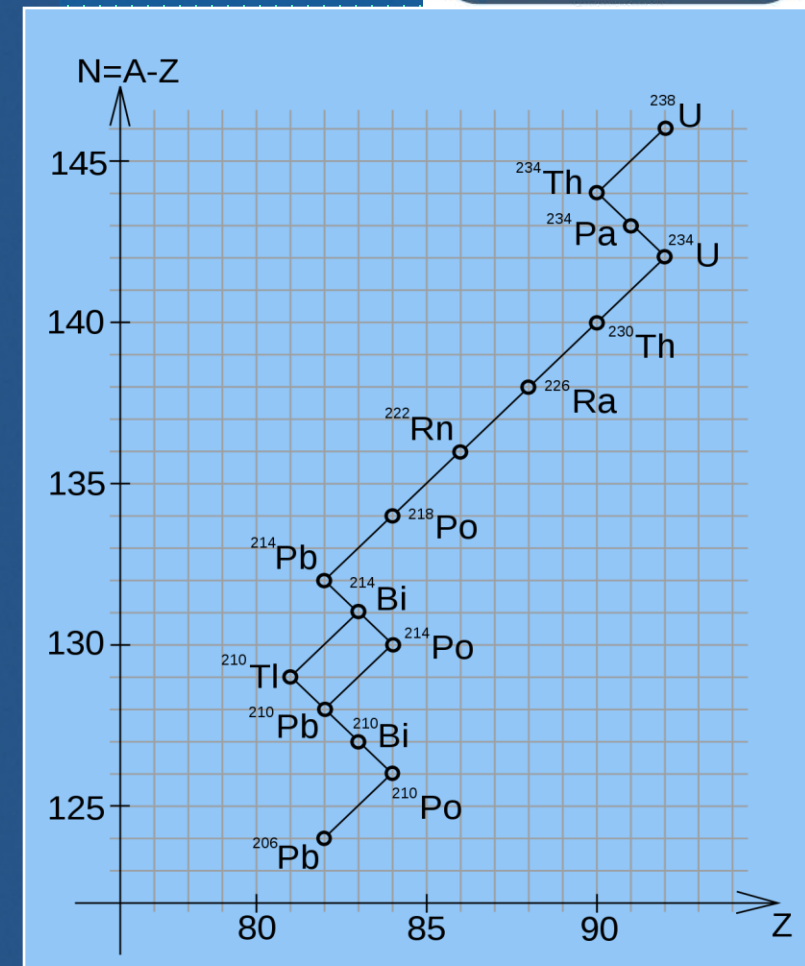
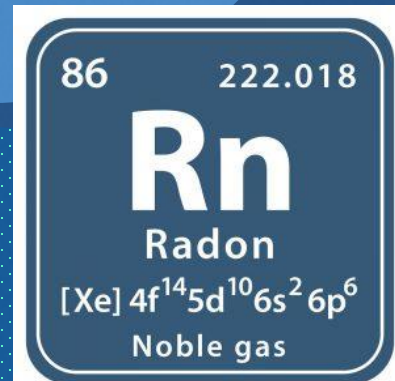


116mIn

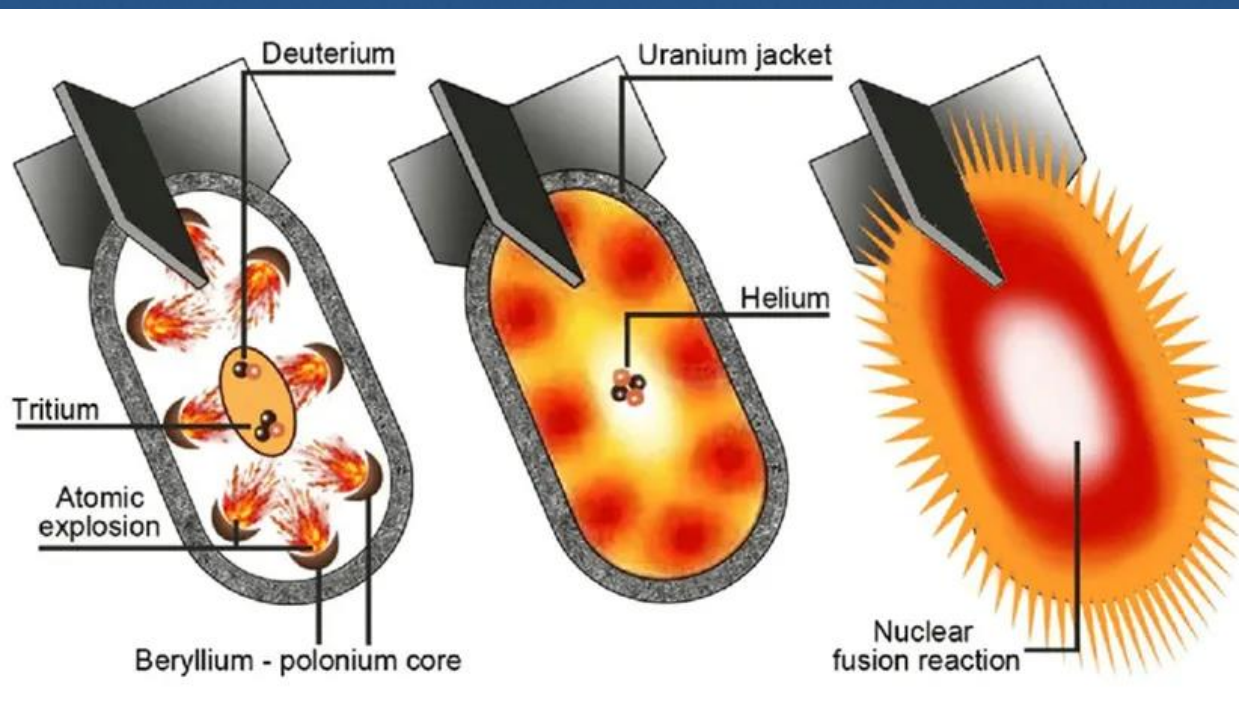


^{222}Rn

- poločas přeměny 3,8 dne
- vzniká a rozpadem
- vzduch nad smolincem 96,24 Bq/l
- vzduch z Revigátoru 75,81 Bq/l
- voda z Revigátoru 714,4 Bq/l



Očekávání X Realita



Děkujeme za pozornost

The background is a dark blue gradient. On the right side, there are several abstract geometric shapes: a light blue rounded rectangle at the top, a small bright blue circle below it, a large semi-circle with a halftone dot pattern in the middle, and a light blue rounded rectangle at the bottom. On the far right edge, a portion of a bright green semi-circle is visible.

Reference

[1] Radon-222. In: *Wikipedia: the free encyclopedia* [online]. San Francisco (CA): Wikimedia Foundation, [cit. 2023-06-20]. Dostupné z: <https://cs.wikipedia.org/wiki/Radon-222>

[2] Draslík-40. In: *Wikipedia: the free encyclopedia* [online]. San Francisco (CA): Wikimedia Foundation, 2001- [cit. 2023-06-20]. Dostupné z: <https://cs.wikipedia.org/wiki/Drasl%C3%ADk-40>

[3] Radionuklidy. *Astronuklfyzika.cz* [online]. [cit. 2023-06-20]. Dostupné z: <https://astronuklfyzika.cz/jadRadFyzika4.htm>

Zdroje obrázků

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- [2] <https://media.hswstatic.com/eyJidWNrZXQiOiJjb250ZW50Lmhzd3N0YXRpYy5jb20iLCJrZXkiOiJnaWZcL251Y2x1YXltYm9tYi11cGRhdGU2LmpwZylsImVkaXRzIjp7InJlc2l6ZSI6eyJ3aWR0aCI6ODI4fX19>
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- [4] <https://www.chemistrylearner.com/wp-content/uploads/2018/07/Radon-Symbol.jpg>
- [5] <https://www.chemistrylearner.com/wp-content/uploads/2018/08/Potassium-Symbol.jpg>
- [6] <https://www.chemistrylearner.com/wp-content/uploads/2018/06/Indium-Symbol.jpg>
- [7] <https://i.ytimg.com/vi/vTUXsMxnT10/hqdefault.jpg>