

**The University of Jordan**  
**Nuclear Reactor Theory 0302750**

Level Test

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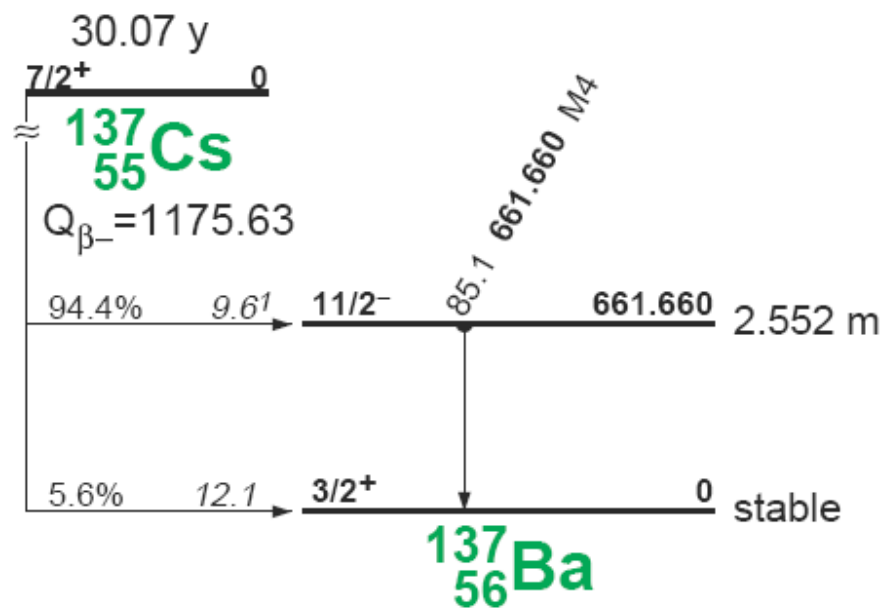
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- *This is not intended to be a marked exam.*
  - *The purpose is to collect information about your background.*
  - *You are NOT required to write your name, but you can do so if you wish!*

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1- List all nuclear and/or radiation physics courses you have previously studied. Mention the level of the course (third year, fourth year, graduate, *etc....*). What are the main titles that you can remember from each course?

2- Write down whatever you know about neutron interactions.

3- What does this graph tell you?



4- What is the difference between a fissile and a fissionable material?

5- What are the terms of the semi-empirical mass formula?