Review of: "Approximate Relationships to Reproduce the Values of Shell Correction Energy for Fission Fragments"

Alberto Camaiani[1]

1 INFN - Istituto Nazionale di Fisica Nucleare

Potential competing interests: No potential competing interests to declare.

The actual manuscript presents an approximate linear relationship to estimate the shell correction energy for fission fragments. After an introduction where the author reports the main fission parameters, he introduces the method adopted to estimate the shell correction and then applies it to 232Th, 235U, 238U, 239-240Pu, and 252Cf.

I recommend publication on the present platform after the following implementations:

1. Please, in the introduction, I recommend better introducing the shell effects and their role during fission.

2. Please better clarify what the parameter T in eq. 3 is referring to.

3. Please report in each figure the extracted linear relationship with a piece-wise line.

Some final editorial suggestions:

1. Please check that Z and A are always in italics font, especially in the main body of the text.
2. Please find a better format for E_shell after the curly bracket.
3. After the curly bracket, please use \mathrm{for} to remove italics.