## Erratum: Improved empirical parametrization of fragmentation cross sections [Phys. Rev. C 86, 014601 (2012)]

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Unfortunately, several equations in the original article contain severe typographical errors. These errors do not affect any of the figures or numerical results presented in the original article. They lead, however, to erroneous results if the reader used the equations given in the article to produce a computer code.

In the following, the correct versions of the three erroneous equations are given. Equation (5) should read

$$Y'_{A} = Y_{A} \exp[y_{2}A_{p}(x - y_{1})^{2}].$$
(5)

In Equation (6), a small empirical offset is missing; the correct formula reads

$$Z_{\text{prob}} = Z_{\beta} + \Delta + \Delta_m + 0.002 * A.$$
(6)

Another error is contained in the "brute-force" correction factor Eq. (19). This factor should read

$$f_{\rm bf} = 10^{\{B[Z_{\beta}(A) - Z + Z_{\rho} - Z_{\beta\rho} + b_2]^3\}}.$$
(19)

All the errors mentioned above were absent from the FORTRAN code that can be downloaded from the GSI document server [1]. This code contained, however, a slightly misleading comment stating that the code would yield a cross section for the test case, the formation of <sup>48</sup>Ni in the reaction <sup>58</sup>Ni + <sup>9</sup>Be of  $1.60 \times 10^{-14}$  b, whereas, the program actually produced the correct result of  $1.408 \times 10^{-14}$  b. Meanwhile, this comment has been corrected.

The GSI document server also contains a C-code version of EPAX [2] which, prior to January 18, 2013, contained a slightly different scaling factor *S* compared to the one in the original article, Eq. (3). This scaling factor yielded, e.g., the erroneous value of  $1.60 \times 10^{-14}$  b for the <sup>48</sup>Ni test case mentioned above. The present C-code version now yields the correct results.

The author is grateful to A. Kelic-Heil and H. Weick of GSI for pointing out the inconsistencies.

<sup>[1]</sup> http://www.gsi.de/documents/FRS-reference-2012-001.html.

<sup>[2]</sup> http://www.gsi.de/documents/FRS-reference-2012-002.html.