Erratum: Self-consistent single-nucleon potential at positive energy produced by semi-realistic interaction and its examination via nucleon-nucleus elastic scattering [Phys. Rev. C 109, 044614 (2024)]

H. Nakada (中田仁) ● and K. Ishida (石田佳香)

In the original publication, the *N-A* elastic scattering has been described by the nonlocal single-folding potentials (SFPs), which have been obtained consistently with the wave functions of the target nuclei. However, there was an error in the computer code for the SFP with the M3Y-P6 interaction. Figures 2–4 should be replaced by the following ones. Although the cross sections are corrected at large angles and around the dips to a visible extent in Figs. 2 and 4, the error does not influence the discussions and the conclusions of the paper.

In Eq. (C3) of the original publication, the parentheses on the right-hand side should be squared as

$$H_{\text{c.m.}} = \frac{A+1}{2A^2 M} (\mathbf{P}_A + \tilde{\mathbf{p}}_N)^2. \tag{C3}$$
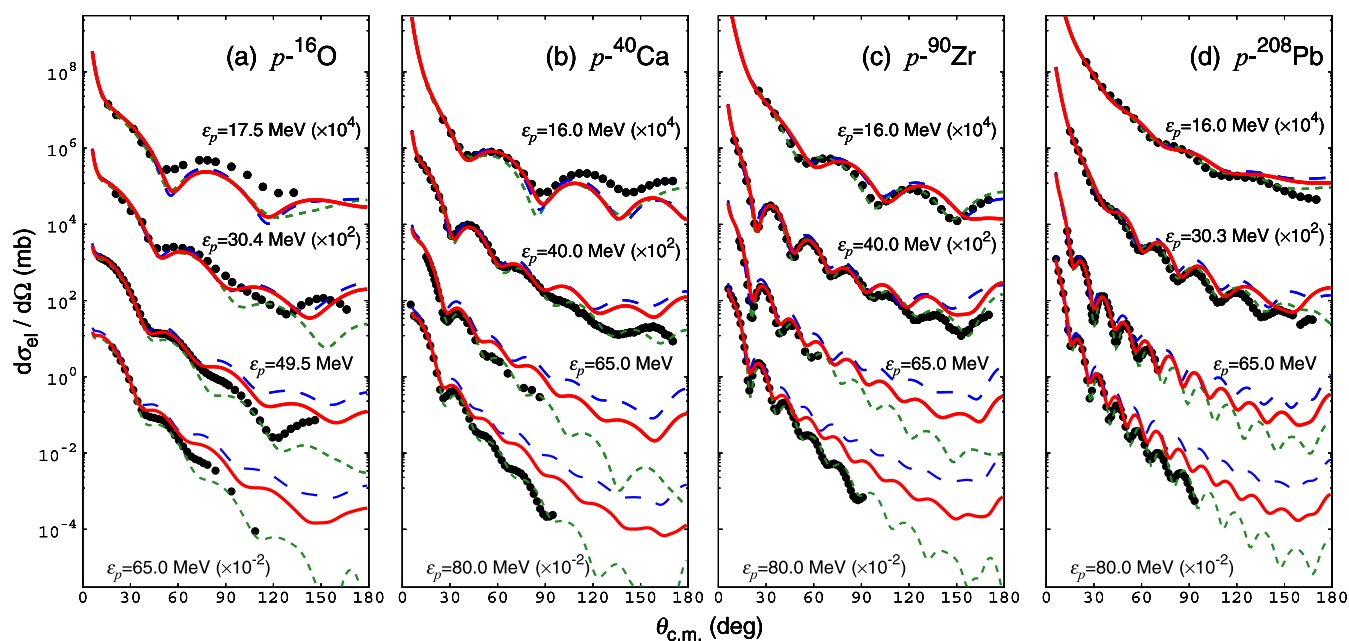

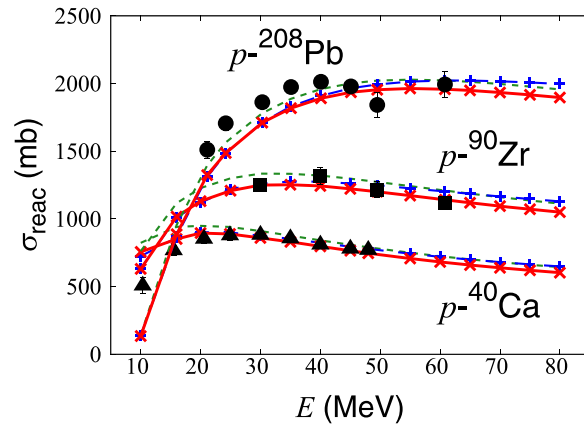FIG. 2. Corrected figure; see original publication for details.
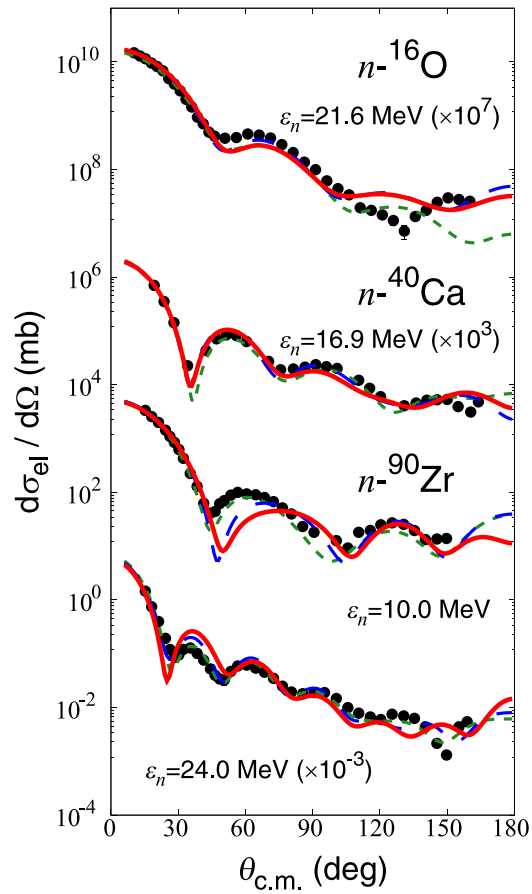
FIG. 3. Corrected figure; see original publication for details.

FIG. 4. Corrected figure; see original publication for details.