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CORRIGENDUM


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The equations related to the effective range corrections reported in [1] contain three typos. These typos were first noted in [2] and independently pointed out to us by Perlin and Rey [3]. To fix the misprints, three changes need to be made in [1]:

1. On page 14, the integral on the right-hand side of equation (28) needs to be multiplied by 1/2.
2. On page 14, in the text following equation (28), the value of $K_{00;00}'$ needs to be changed from $(3/4)\sqrt{2/\pi}$ to $(3/2)\sqrt{2/\pi}$.
3. On page 19, in the entry ‘leading-order effective range terms’ of table 2, the equation $\alpha_{2}^{(1,2)} = K_{000}' = \frac{3}{4} \left( \frac{2}{\pi} \right)^{1/2} = +0.598413...$ needs to be changed to $\alpha_{2}^{(1,2)} = k_{000}' = \frac{3}{4} \left( \frac{2}{\pi} \right)^{1/2} = +0.598413...$

These corrections only affect the intermediate steps of our derivation and do not impact the results and conclusions of [1, 4]. In particular, the figures in [1, 4] used the correct expressions for the effective range correction and the energy shifts reported in tables 1 and 3 of [1] are correct.

Acknowledgments

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References