Erratum: Incident-energy dependence of angular distributions of cross section and analyzing power for the ^{58}Ni($\vec{p}$,^{3}He)^{56}Co reaction between 80 and 120 MeV [Phys. Rev. C 91, 024614 (2015)]

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In Table II of our original paper, the optical potential parameters r_{w0} and a_{w0} for the $p + {}^{58}$Ni reaction at beam energies of 100 and 118 MeV were incorrectly stated. The correct values for r_{w0} and a_{w0} as used in our calculations are 1.199 and 0.669 fm, respectively. The corrected table as it should have appeared in the original paper is given below.

These corrections do not affect the results and conclusions of the original paper.

TABLE II. Optical model potential parameters used in DWUCK4 for the 80-, 100-, and 118-MeV proton beams. The proton-target potential sets are taken from Ref. [32], and for the ^{3}He-residual interaction the sets are from Ref. [34]. The deuteron-cluster bound-state geometry parameters have been adopted from Ref. [22].

Interaction	Energy (MeV)	V_0 (MeV)	r_0 (fm)	a_0 (fm)	W_0 (MeV)	r_{w0} (fm)	a_{w0} (fm)	W_s (MeV)	r_s (fm)	a_s (fm)	V_{so} (MeV)	r_{vso} (fm)	a_{vso} (fm)	W_{so} (MeV)	r_{wso} (fm)	a_{wso} (fm)
$p + {}^{58}$Ni	80	−31.4	1.199	0.669	−8.5	1.199	0.669	9.6	1.281	0.549	−17.2	1.018	0.590	2.9	1.018	0.590
^{3}He + ^{56}Co	65	−110.1	1.176	0.781	−10.5	1.413	0.857	55.9	1.196	0.881	−8.4	0.736	0.969	4.6	0.736	0.969
Bound state		−61.0[a]	1.150	0.760							−70.2	1.150	0.760			
$p + {}^{58}$Ni	100	−26.3.3	1.199	0.669	−10.0	1.199	0.669	6.3	1.281	0.549	−15.9	1.018	0.590	3.9	1.018	0.590
^{3}He + ^{56}Co	84	−106.3	1.176	0.781	−14.5	1.413	0.857	43.6	1.196	0.881	−8.4	0.736	0.969	4.6	0.736	0.969
Bound state		−77.0[a]	1.150	0.760							−46.2	1.150	0.760			
$p + {}^{58}$Ni	118	−22.4	1.199	0.669	−11.0	1.199	0.669	4.2	1.281	0.549	−14.8	1.018	0.590	4.7	1.018	0.590
^{3}He + ^{56}Co	102	−102.8	1.176	0.781	−17.8	1.413	0.857	31.9	1.196	0.881	−8.4	0.736	0.969	4.6	0.736	0.969
Bound state		−77.0[a]	1.150	0.760							−46.2	1.150	0.760			

[a]Adjusted as described in the text.

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