Erratum

Erratum: Extraction of a_{nn} from the reaction $\pi^- d \rightarrow \gamma n n$
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The version of the computer code used to generate Table I of our paper was found to have three defects:

(i) The recoil factor in phase space was omitted,

(ii) the higher partial waves were treated inconsistently with the s and p waves, and

(iii) the semirelativistic Jacobian of Eq. (4) was not that which was used. The effects of any or all of these points are very small and in no way alter our conclusions. However the numbers in the table are altered.

Using the correct relativistic Jacobian

$$J(T) = \frac{9.39 \times 10^5}{(T^2 - 100)^{3/2}}$$

and remedying the above defects, Table I of the paper should read as given here.

TABLE I. The difference Δa_{nn} in the value of a_{nn} extracted from the analysis and the value used to generate the pseudo data for various assumptions described in Sec. IV.

		$\theta_{nn}=$ 5°	10°	20°	30°
A1	Zero range	-0.219	-0.282	-0.596	-1.337
A2 (i)	η matching Ψ'''	-0.006	-0.011	-0.024	-0.051
(ii)	$\eta=-5p$	$+0.066$	$+0.078$	$+0.115$	$+0.152$
(iii)	$\eta=-0.5$	-0.325	-0.181	-0.121	-0.134
A3	Forbidden-state final state	0.000	$+0.001$	$+0.002$	$+0.006$
B1	RSC deuteron, s state	-0.071	-0.088	-0.173	-0.329
B2	Hulthén deuteron	-0.082	-0.104	-0.204	-0.408
B3	Forbidden-state deuteron	-0.074	-0.092	-0.179	-0.346
C	$r_{nn}=2.6$ fm	$+0.038$	$+0.024$	-0.038	-0.160
D1	$\delta_1=0.1p^2$	$+0.002$	$+0.004$	$+0.008$	$+0.022$
D2	$A/B=0.1$	-0.032	-0.041	-0.094	-0.216
E	$\Phi_\pi=$ const.	-0.100	-0.129	-0.272	-0.590
F1	Complete forbidden state	-0.075	-0.096	-0.183	-0.359
F2	Hulthén plus zero range	-0.382	-0.496	-1.066	-2.500
F3	Hulthén plus zero range plus $(l>0)\equiv0$	-1.475	-1.958	$\lvert \Delta a \rvert > 2.6$	$\lvert \Delta a \rvert > 2.6$