

## Erratum: Quark model analysis of the charge symmetry breaking in nuclear force [Phys. Rev. C **68**, 024006 (2003)]

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We have found an error in the numerical evaluation of the charge symmetry breaking effects on the  $S$ -wave scattering lengths. Tables I and II should replace Table III and Table IV of the paper. It is found that the  $\Delta a$  from the one-gluon exchange was erroneously underestimated. The corrected total  $\Delta a$  becomes larger than the previous one. We see that the agreement with the experimental data is much better now. Our new result also agrees with that obtained by Chemtob and Yang in Ref. [17].

TABLE I. Scattering length.

	$P_{\text{III}}$	$\Delta m$ (MeV)	$\bar{a}$ (fm)	$\Delta a$ (fm)	$\bar{r}$ (fm)	$\Delta r$ (fm)
$A$	0.4	7.3	-17.9	2.71	2.42	-1.36
$B$	0.5	5.2	-17.9	1.68	2.46	-0.84
Expt. [3]			$-18.1 \pm 0.5$	$1.5 \pm 0.5$	$2.80 \pm 0.12$	$0.10 \pm 0.12$
$B$ [18]		5.0	20.07	0.46		
CY [17]		6.0		2-3.5		

TABLE II. The contributions to  $\Delta a$  of CSB terms (fm).

	NMD	Kin	OGE	EM
$A$	0.3	-2.7	4.9	0.2
$B$	0.3	-1.9	3.1	0.2