

Erratum to: Photocouplings at the pole from pion photoproduction

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Table 1. Photocouplings at the pole (A_{pole}^h , ϑ^h) according to eq. (22) in Eur. Phys. J. A 50, 101 (2014). Left: $I = 1/2$ resonances. Right: $I = 3/2$ resonances.

	$A_{\text{pole}}^{1/2}$		$\vartheta^{1/2}$		$A_{\text{pole}}^{3/2}$		$\vartheta^{3/2}$			$A_{\text{pole}}^{1/2}$		$\vartheta^{1/2}$		$A_{\text{pole}}^{3/2}$		$\vartheta^{3/2}$		
	[$10^{-3} \text{ GeV}^{-\frac{1}{2}}$]		[deg]		[$10^{-3} \text{ GeV}^{-\frac{1}{2}}$]		[deg]			[$10^{-3} \text{ GeV}^{-\frac{1}{2}}$]		[deg]		[$10^{-3} \text{ GeV}^{-\frac{1}{2}}$]		[deg]		
	fit								fit									
$N(1535)1/2^-$	1	57	-20						$\Delta(1620)1/2^-$	1	-28	-173						
	2	50^{+4}_{-4}	-14^{+12}_{-10}							2	-28^{+6}_{-2}	-166^{+1}_{-4}						
$N(1650)1/2^-$	1	27	21						$\Delta(1910)1/2^+$	1	-200	26						
	2	23^{+3}_{-8}	6^{+28}_{-15}							2	-246^{+24}_{-47}	159^{+9}_{-4}						
$N(1440)1/2^{+(a)}$	1	-58	4						$\Delta(1232)3/2^+$	1	-116	-9			-231	4		
	2	-54^{+4}_{-3}	5^{+2}_{-5}							2	-114^{+10}_{-3}	-9^{+4}_{-2}			-229^{+3}_{-4}	$3^{+0.3}_{-0.4}$		
$N(1710)1/2^+$	1	15	40						$\Delta(1600)3/2^{+(a)}$	1	260	162			-72	82		
	2	28^{+9}_{-2}	103^{+20}_{-6}							2	193^{+23}_{-24}	151^{+9}_{-15}			-254^{+85}_{-86}	110^{+10}_{-6}		
$N(1750)1/2^{+(*) (a)}$	1	-2	9						$\Delta(1920)3/2^+$	1	46	-15			-352	-109		
	2	-10^{+3}_{-6}	33^{+12}_{-13}							2	190^{+50}_{-22}	-160^{+24}_{-11}			-398^{+70}_{-67}	-110^{+4}_{-5}		
$N(1720)3/2^+$	1	39	96	17	-177				$\Delta(1700)3/2^-$	1	106	1			141	18		
	2	51^{+5}_{-4}	57^{+9}_{-4}	14^{+9}_{-3}	102^{+29}_{-59}					2	109^{+10}_{-10}	-21^{+12}_{-6}			111^{+27}_{-6}	12^{+9}_{-11}		
$N(1520)3/2^-$	1	-27	-11	114	27				$\Delta(1930)5/2^-$	1	84	72			-231	-152		
	2	-24^{+8}_{-3}	-17^{+16}_{-6}	117^{+6}_{-10}	26^{+2}_{-2}					2	130^{+73}_{-96}	-50^{+77}_{-26}			-56^{+3}_{-151}	168^{+72}_{-76}		
$N(1675)5/2^-$	1	22	36	21	-60				$\Delta(1905)5/2^+$	1	61	-46			112	131		
	2	22^{+4}_{-7}	49^{+5}_{-2}	36^{+4}_{-5}	-30^{+4}_{-4}					2	13^{+13}_{-5}	64^{+72}_{-36}			72^{+16}_{-16}	113^{+13}_{-7}		
$N(1680)5/2^+$	1	-12	-28	124	-8				$\Delta(1950)7/2^+$	1	-68	-3			-85	-1		
	2	-13^{+2}_{-5}	-42^{+9}_{-18}	126^{+1}_{-2}	-7^{+3}_{-2}					2	-71^{+4}_{-4}	-14^{+2}_{-4}			-89^{+8}_{-7}	-10^{+3}_{-1}		
$N(1990)7/2^+$	1	19	-6	37	167				$\Delta(2200)7/2^-$	1	41	-69			-29	106		
	2	10^{+11}_{-6}	-103^{+108}_{-155}	53^{+23}_{-28}	36^{+17}_{-4}					2	107^{+11}_{-20}	-36^{+5}_{-5}			-131^{+24}_{-9}	113^{+9}_{-5}		
$N(2190)7/2^-$	1	-48	2	70	-1				$\Delta(2400)9/2^-$	1	-59	95			-15	83		
	2	-83^{+7}_{-3}	-11^{+6}_{-2}	95^{+13}_{-10}	-3^{+3}_{-5}					2	-128^{+46}_{-12}	118^{+24}_{-3}			-115^{+42}_{-24}	140^{+17}_{-28}		
$N(2250)9/2^-$	1	-56	-41	14	-39													
	2	-90^{+25}_{-22}	-49^{+17}_{-11}	49^{+31}_{-19}	171^{+36}_{-43}													
$N(2220)9/2^+$	1	-108	-48	87	-32													
	2	-233^{+84}_{-44}	-47^{+10}_{-6}	162^{+41}_{-38}	-27^{+26}_{-13}													

(a) Dynamically generated.

(*) Not identified with PDG name.

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The angles ϑ^h of the photocouplings at the pole, $\tilde{A}_{\text{pole}}^h = A_{\text{pole}}^h e^{i\vartheta^h}$, given in tables 2 and 3 of Eur. Phys. J. A **50**, 101 (2014) were not quoted in the convention of ref. [1]. That convention is also used in the *Particle Data Book* [2]. The values, adapted to this convention, are given in table 1.

The pole positions and hadronic residues of the resonances are not affected. The same applies to the magnitudes of the photocouplings A_{pole}^h .

References

1. R.L. Workman, L. Tiator, A. Sarantsev, Phys. Rev. C **87**, 068201 (2013) arXiv:1304.4029 [nucl-th].
2. Particle Data Group (K.A. Olive *et al.*), Chin. Phys. C **38**, 090001 (2014).