NODE=B015

$N(1720)\ 3/2^+$

$I(J^P) = \frac{1}{2}(\frac{3}{2}^+)$ Status: ****

Older and obsolete values are listed and referenced in the 2014 edition, Chinese Physics **C38** 070001 (2014). NODE=B015

N(1720) POLE POSITION

NODE=B015215

REAL PART

NODE=B015RE
NODE=B015RE

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
1660 to 1710 (≈ 1680) OUR ESTIMATE				
1726± 4	ROENCHEN	22	DPWA	Multichannel
1670±25	SOKHOYAN	15A	DPWA	Multichannel
1677± 4±1	[1] SVARC	14	L+P	$\pi N \to \pi N$
1680±30	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1654	HUNT	19	DPWA	Multichannel
1710	ROENCHEN	15A	DPWA	Multichannel
1670	SHKLYAR	13	DPWA	Multichannel
1660±30	ANISOVICH	12A	DPWA	Multichannel
1691±23	BATINIC	10	DPWA	$\pi N \to N\pi,\ N\eta$
1666	ARNDT	06	DPWA	$\pi N \to \pi N,\ \eta N$
1692	VRANA	00	DPWA	Multichannel
1686	HOEHLER	93	SPED	$\pi N \to \pi N$

[1] Fit to the amplitudes of HOEHLER 79. NODE=B015RE;LINKAGE=SV

→ UNCHECKED ←

−2×IMAGINARY PART

NODE=B015IM
NODE=B015IM

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
150 to 300 (≈ 200) OUR ESTIMATE				
185± 6	ROENCHEN	22	DPWA	Multichannel
430±100	SOKHOYAN	15A	DPWA	Multichannel
184± 8±1	[1] SVARC	14	L+P	$\pi N \to \pi N$
120± 40	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
100	HUNT	19	DPWA	Multichannel
219	ROENCHEN	15A	DPWA	Multichannel
118	SHKLYAR	13	DPWA	Multichannel
450±100	ANISOVICH	12A	DPWA	Multichannel
233± 23	BATINIC	10	DPWA	$\pi N \to N\pi,\ N\eta$
355	ARNDT	06	DPWA	$\pi N \to \pi N,\ \eta N$
94	VRANA	00	DPWA	Multichannel
187	HOEHLER	93	SPED	$\pi N \to \pi N$

[1] Fit to the amplitudes of HOEHLER 79. NODE=B015IM;LINKAGE=SV

→ UNCHECKED ←

N(1720) ELASTIC POLE RESIDUE

NODE=B015220

MODULUS $|r|$

NODE=B015RER
NODE=B015RER

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
10 to 25 (≈ 15) OUR ESTIMATE				
15 ± 1	ROENCHEN	22	DPWA	Multichannel
26 ±10	SOKHOYAN	15A	DPWA	Multichannel
13 ± 1	[1] SVARC	14	L+P	$\pi N \to \pi N$
8 ± 2	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
4.2	ROENCHEN	15A	DPWA	Multichannel
12	SHKLYAR	13	DPWA	Multichannel
22 ± 8	ANISOVICH	12A	DPWA	Multichannel
20	BATINIC	10	DPWA	$\pi N \to N\pi,\ N\eta$
25	ARNDT	06	DPWA	$\pi N \to \pi N,\ \eta N$
15	HOEHLER	93	SPED	$\pi N \to \pi N$

[1] Fit to the amplitudes of HOEHLER 79. NODE=B015RER;LINKAGE=SV

→ UNCHECKED ←

PHASE θ

NODE=B015IMR
NODE=B015IMR

VALUE (°)	DOCUMENT ID		TECN	COMMENT
−160 to −60 (≈ − 110) OUR ESTIMATE				→ UNCHECKED ←
− 60 ± 3	ROENCHEN	22	DPWA	Multichannel
−100 ± 25	SOKHOYAN	15A	DPWA	Multichannel
−115 ± 3 ± 2	[1] SVARC	14	L+P	$\pi N \to \pi N$
−160 ± 30	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
− 47	ROENCHEN	15A	DPWA	Multichannel
− 45	SHKLYAR	13	DPWA	Multichannel
−115 ± 30	ANISOVICH	12A	DPWA	Multichannel
−109	BATINIC	10	DPWA	$\pi N \to N\pi$, $N\eta$
− 94	ARNDT	06	DPWA	$\pi N \to \pi N$, ηN

[1] Fit to the amplitudes of HOEHLER 79. NODE=B015IMR;LINKAGE=SV

$N(1720)$ INELASTIC POLE RESIDUE

NODE=B015250

The "normalized residue" is the residue divided by $\Gamma_{pole}/2$. NODE=B015250

Normalized residue in $N\pi \to N(1720) \to N\eta$

NODE=B015RS1
NODE=B015RS1

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.049 ± 0.005	64 ± 5	ROENCHEN	22	DPWA	Multichannel
0.03 ± 0.02		ANISOVICH	12A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.007	106	ROENCHEN	15A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to \Lambda K$

NODE=B015RS2
NODE=B015RS2

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.034 ± 0.002	−101 ± 4	ROENCHEN	22	DPWA	Multichannel
0.06 ± 0.04	−150 ± 45	ANISOVICH	12A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.011	−70	ROENCHEN	15A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to \Sigma K$

NODE=B015A00
NODE=B015A00

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.059 ± 0.005	**82 ± 3**	ROENCHEN	22	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.002	79	ROENCHEN	15A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to \Delta\pi$, P-wave

NODE=B015RS3
NODE=B015RS3

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.28 ± 0.09	95 ± 30	SOKHOYAN	15A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.29 ± 0.08	80 ± 40	ANISOVICH	12A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to \Delta\pi$, F-wave

NODE=B015RS4
NODE=B015RS4

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.07 ± 0.05		SOKHOYAN	15A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.03 ± 0.03		ANISOVICH	12A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to N\sigma$

NODE=B015RS5
NODE=B015RS5

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.08 ± 0.04	−110 ± 35	SOKHOYAN	15A	DPWA	Multichannel

Normalized residue in $N\pi \to N(1720) \to N(1520)\pi$, S-wave

NODE=B015RS6
NODE=B015RS6

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.05 ± 0.04	undefined	SOKHOYAN	15A	DPWA	Multichannel

$N(1720)$ BREIT-WIGNER MASS

NODE=B015M

NODE=B015M

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
1680 to 1750 (≈ 1720) OUR ESTIMATE				→ UNCHECKED ←
1745 ± 6	GOLOVATCH	19	DPWA	$\gamma p \to \pi^+ \pi^- p$
1711 ± 4	[1] HUNT	19	DPWA	Multichannel
1690 ± 30	SOKHOYAN	15A	DPWA	Multichannel
1700 ± 10	[1] SHKLYAR	13	DPWA	Multichannel
1763.8 ± 4.6	ARNDT	06	DPWA	$\pi N \to \pi N$, ηN
1700 ± 50	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
1710 ± 20	HOEHLER	79	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1748 ± 5	[2] MOKEEV	20	DPWA	$\gamma p \to \pi^+ \pi^- p$
1725 ± 10	[3] MOKEEV	20	DPWA	$\gamma p \to \pi^+ \pi^- p$
1690 $^{+70}_{-35}$	ANISOVICH	12A	DPWA	Multichannel
1720 ± 5	[1] SHRESTHA	12A	DPWA	Multichannel
1720 ± 18	BATINIC	10	DPWA	$\pi N \to N\pi$, $N\eta$
1705 ± 10	PENNER	02C	DPWA	Multichannel
1716 ± 112	VRANA	00	DPWA	Multichannel

[1] Statistical error only. NODE=B015M;LINKAGE=A
[2] State a) of two states seen by the CLAS collaboration. NODE=B015M;LINKAGE=C
[3] State b) of two states seen by the CLAS collaboration. NODE=B015M;LINKAGE=D

N(1720) BREIT-WIGNER WIDTH

NODE=B015W

NODE=B015W

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
150 to 400 (≈ 250) OUR ESTIMATE				→ UNCHECKED ←
116 ± 27	GOLOVATCH	19	DPWA	$\gamma p \to \pi^+ \pi^- p$
229 ± 22	[1] HUNT	19	DPWA	Multichannel
420 ± 80	SOKHOYAN	15A	DPWA	Multichannel
152 ± 2	[1] SHKLYAR	13	DPWA	Multichannel
210 ± 22	ARNDT	06	DPWA	$\pi N \to \pi N$, ηN
125 ± 70	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
190 ± 30	HOEHLER	79	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
114 ± 6	[2] MOKEEV	20	DPWA	$\gamma p \to \pi^+ \pi^- p$
120 ± 6	[3] MOKEEV	20	DPWA	$\gamma p \to \pi^+ \pi^- p$
420 ± 100	ANISOVICH	12A	DPWA	Multichannel
200 ± 20	[1] SHRESTHA	12A	DPWA	Multichannel
244 ± 28	BATINIC	10	DPWA	$\pi N \to N\pi$, $N\eta$
237 ± 73	PENNER	02C	DPWA	Multichannel
121 ± 39	VRANA	00	DPWA	Multichannel

[1] Statistical error only. NODE=B015W;LINKAGE=A
[2] State a) of two states seen by the CLAS collaboration. NODE=B015W;LINKAGE=C
[3] State b) of two states seen by the CLAS collaboration. NODE=B015W;LINKAGE=D

N(1720) DECAY MODES

NODE=B015225;NODE=B015

The following branching fractions are our estimates, not fits or averages. NODE=B015

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$N\pi$	8–14 %	DESIG=1;OUR EST
Γ_2	$N\eta$	1–5 %	DESIG=2;OUR EST
Γ_3	$N\omega$	12–40 %	DESIG=187;OUR EST
Γ_4	ΛK	4–19 %	DESIG=3
Γ_5	$N\pi\pi$	>50 %	DESIG=5
Γ_6	$\Delta(1232)\pi$	47–89 %	DESIG=181;OUR EST
Γ_7	$\Delta(1232)\pi$, P-wave	47–77 %	DESIG=6;OUR EST
Γ_8	$\Delta(1232)\pi$, F-wave	<12 %	DESIG=14;OUR EST
Γ_9	$N\rho$		DESIG=182
Γ_{10}	$N\rho$, S=1/2, P-wave	1–2 %	DESIG=7;OUR EST

Γ_{11}	$N\sigma$	2–14 %	DESIG=9;OUR EST
Γ_{12}	$N(1440)\pi$	<2 %	DESIG=15;OUR EST
Γ_{13}	$N(1520)\pi$, S-wave	1–5 %	DESIG=16;OUR EST
Γ_{14}	$p\gamma$	0.05–0.25 %	DESIG=184;OUR EST
Γ_{15}	$p\gamma$, helicity=1/2	0.05–0.15 %	DESIG=10;OUR EST
Γ_{16}	$p\gamma$, helicity=3/2	0.002–0.16 %	DESIG=11;OUR EST
Γ_{17}	$n\gamma$	0.0–0.016 %	DESIG=185;OUR EST
Γ_{18}	$n\gamma$, helicity=1/2	0.0–0.01 %	DESIG=12;OUR EST
Γ_{19}	$n\gamma$, helicity=3/2	0.0–0.015 %	DESIG=13;OUR EST

$N(1720)$ BRANCHING RATIOS

NODE=B015230

$\Gamma(N\pi)/\Gamma_{total}$ — Γ_1/Γ

NODE=B015R1
NODE=B015R1

VALUE (%)	DOCUMENT ID		TECN	COMMENT
8 to 14 (≈ 11) OUR ESTIMATE				
18 ±2	[1] HUNT	19	DPWA	Multichannel
11 ±4	SOKHOYAN	15A	DPWA	Multichannel
17 ±2	[1] SHKLYAR	13	DPWA	Multichannel
9.4±0.5	ARNDT	06	DPWA	$\pi N \to \pi N$, ηN
10 ±4	CUTKOSKY	80	IPWA	$\pi N \to \pi N$
14 ±3	HOEHLER	79	IPWA	$\pi N \to \pi N$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
10 ±5	ANISOVICH	12A	DPWA	Multichannel
13.6±0.6	[1] SHRESTHA	12A	DPWA	Multichannel
18 ±3	BATINIC	10	DPWA	$\pi N \to N\pi$, $N\eta$
17 ±2	PENNER	02C	DPWA	Multichannel
5 ±5	VRANA	00	DPWA	Multichannel

→ UNCHECKED ←

[1] Statistical error only.

NODE=B015R1;LINKAGE=A

$\Gamma(N\eta)/\Gamma_{total}$ — Γ_2/Γ

NODE=B015R11
NODE=B015R11

VALUE (%)	DOCUMENT ID		TECN	COMMENT
1 to 5 (≈ 3) OUR ESTIMATE				
3 ±2	MUELLER	20	DPWA	Multichannel
3.8±0.5	[1] HUNT	19	DPWA	Multichannel
< 1	SHKLYAR	13	DPWA	Multichannel
3 ±2	ANISOVICH	12A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
< 1	[1] SHRESTHA	12A	DPWA	Multichannel
0 ±1	BATINIC	10	DPWA	$\pi N \to N\pi$, $N\eta$
10 ±7	THOMA	08	DPWA	Multichannel
0.2±0.2	PENNER	02C	DPWA	Multichannel
4 ±1	VRANA	00	DPWA	Multichannel

→ UNCHECKED ←

[1] Statistical error only.

NODE=B015R11;LINKAGE=A

$\Gamma(N\omega)/\Gamma_{total}$ — Γ_3/Γ

NODE=B015R00
NODE=B015R00

VALUE (%)	DOCUMENT ID		TECN	COMMENT
26±14	DENISENKO	16	DPWA	Multichannel

$\Gamma(\Lambda K)/\Gamma_{total}$ — Γ_4/Γ

NODE=B015R13
NODE=B015R13

VALUE (%)	DOCUMENT ID		TECN	COMMENT
4–19 % OUR ESTIMATE				
16 ±3	[1] HUNT	19	DPWA	Multichannel
4.3±0.4	SHKLYAR	05	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
2.8±0.4	[1] SHRESTHA	12A	DPWA	Multichannel
12 ±9	THOMA	08	DPWA	Multichannel
9 ±3	PENNER	02C	DPWA	Multichannel

→ UNCHECKED ←

[1] Statistical error only.

NODE=B015R13;LINKAGE=A

$\Gamma(N\pi\pi)/\Gamma_{total}$ — Γ_5/Γ

NODE=B015R01
NODE=B015R01

VALUE (%)	DOCUMENT ID		TECN	COMMENT
>50 % OUR ESTIMATE				
84±16	GOLOVATCH	19	DPWA	$\gamma p \to \pi^+\pi^- p$

→ UNCHECKED ←

$\Gamma(\Delta(1232)\pi)/\Gamma_{total}$ — Γ_6/Γ

NODE=B015R02
NODE=B015R02

VALUE (%)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
45±8	[1] MOKEEV	20	DPWA	$\gamma p \to \pi^+\pi^- p$
54±8	[2] MOKEEV	20	DPWA	$\gamma p \to \pi^+\pi^- p$

OCCUR=2

[1] State a) of two states seen by the CLAS collaboration. NODE=B015R02;LINKAGE=A
[2] State b) of two states seen by the CLAS collaboration. NODE=B015R02;LINKAGE=B

$\Gamma(\Delta(1232)\pi, P\text{-wave})/\Gamma_{total}$ — Γ_7/Γ

NODE=B015R14
NODE=B015R14

VALUE (%)	DOCUMENT ID		TECN	COMMENT
62±15	SOKHOYAN	15A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
75±15	ANISOVICH	12A	DPWA	Multichannel

$\Gamma(\Delta(1232)\pi, F\text{-wave})/\Gamma_{total}$ — Γ_8/Γ

NODE=B015R16
NODE=B015R16

VALUE (%)	DOCUMENT ID		TECN	COMMENT
6±6	SOKHOYAN	15A	DPWA	Multichannel

$\Gamma(N\rho)/\Gamma_{total}$ — Γ_9/Γ

NODE=B015R03
NODE=B015R03

VALUE (%)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
38±8	[1] MOKEEV	20	DPWA	$\gamma p \to \pi^+\pi^- p$
7±3	[2] MOKEEV	20	DPWA	$\gamma p \to \pi^+\pi^- p$

OCCUR=2

[1] State a) of two states seen by the CLAS collaboration. NODE=B015R03;LINKAGE=A
[2] State b) of two states seen by the CLAS collaboration. NODE=B015R03;LINKAGE=B

$\Gamma(N\rho, S{=}1/2, P\text{-wave})/\Gamma_{total}$ — Γ_{10}/Γ

NODE=B015R12
NODE=B015R12

VALUE (%)	DOCUMENT ID		TECN	COMMENT
1.4±0.5	[1] SHRESTHA	12A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
91 ±1	VRANA	00	DPWA	Multichannel

[1] Statistical error only. NODE=B015R12;LINKAGE=A

$\Gamma(N\sigma)/\Gamma_{total}$ — Γ_{11}/Γ

NODE=B015R15
NODE=B015R15

VALUE (%)	DOCUMENT ID		TECN	COMMENT
8±6	SOKHOYAN	15A	DPWA	Multichannel

$\Gamma(N(1440)\pi)/\Gamma_{total}$ — Γ_{12}/Γ

NODE=B015R17
NODE=B015R17

VALUE (%)	DOCUMENT ID		TECN	COMMENT
<2	SOKHOYAN	15A	DPWA	Multichannel

$\Gamma(N(1520)\pi, S\text{-wave})/\Gamma_{total}$ — Γ_{13}/Γ

NODE=B015R18
NODE=B015R18

VALUE (%)	DOCUMENT ID		TECN	COMMENT
3±2	SOKHOYAN	15A	DPWA	Multichannel

$N(1720)$ PHOTON DECAY AMPLITUDES AT THE POLE

NODE=B015260

$N(1720) \to p\gamma$, helicity-1/2 amplitude $A_{1/2}$

NODE=B015PA1
NODE=B015PA1

MODULUS ($GeV^{-1/2}$)	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.039±0.004	60 ± 5	ROENCHEN	22	DPWA	Multichannel
0.115±0.045	0 ± 35	SOKHOYAN	15A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.039	5.3	ROENCHEN	15A	DPWA	Multichannel

$N(1720) \to p\gamma$, helicity-3/2 amplitude $A_{3/2}$

NODE=B015PA2
NODE=B015PA2

MODULUS ($GeV^{-1/2}$)	PHASE (°)	DOCUMENT ID		TECN	COMMENT
−0.025±0.004	−5.7 ± 7	ROENCHEN	22	DPWA	Multichannel
0.140±0.040	65 ± 35	SOKHOYAN	15A	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.032	66	ROENCHEN	15A	DPWA	Multichannel

$N(1720) \to n\gamma$, helicity-1/2 amplitude $A_{1/2}$

NODE=B015PA3
NODE=B015PA3

MODULUS ($GeV^{-1/2}$)	PHASE (°)	DOCUMENT ID		TECN	COMMENT
$-0.025^{+0.015}_{-0.040}$	−75 ± 35	ANISOVICH	17E	DPWA	Multichannel

$N(1720) \rightarrow n\gamma$, helicity-3/2 amplitude $A_{3/2}$

NODE=B015PA4
NODE=B015PA4

MODULUS ($GeV^{-1/2}$)	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.100±0.035	−80 ± 35	ANISOVICH	17E	DPWA	Multichannel

$N(1720)$ BREIT-WIGNER PHOTON DECAY AMPLITUDES

NODE=B015235

$N(1720) \rightarrow p\gamma$, helicity-1/2 amplitude $A_{1/2}$

NODE=B015A1
NODE=B015A1

→ UNCHECKED ←

VALUE ($GeV^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
0.080 to 0.120 (≈ 0.100) OUR ESTIMATE				
0.0809±0.0115	GOLOVATCH	19	DPWA	$\gamma p \rightarrow \pi^+ \pi^- p$
0.068 ±0.004	[1] HUNT	19	DPWA	Multichannel
0.115 ±0.045	SOKHOYAN	15A	DPWA	Multichannel
−0.065 ±0.002	[1] SHKLYAR	13	DPWA	Multichannel
0.095 ±0.002	WORKMAN	12A	DPWA	$\gamma N \rightarrow N\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.110 ±0.045	ANISOVICH	12A	DPWA	Multichannel
0.057 ±0.003	[1] SHRESTHA	12A	DPWA	Multichannel
0.073	DRECHSEL	07	DPWA	$\gamma N \rightarrow \pi N$
0.097 ±0.003	DUGGER	07	DPWA	$\gamma N \rightarrow \pi N$
−0.053	PENNER	02D	DPWA	Multichannel

[1] Statistical error only.

NODE=B015A1;LINKAGE=A

$N(1720) \rightarrow p\gamma$, helicity-3/2 amplitude $A_{3/2}$

NODE=B015A2
NODE=B015A2

VALUE ($GeV^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
−0.034±0.0076	GOLOVATCH	19	DPWA	$\gamma p \rightarrow \pi^+ \pi^- p$
0.028±0.003	[1] HUNT	19	DPWA	Multichannel
0.135±0.040	SOKHOYAN	15A	DPWA	Multichannel
0.035±0.002	[1] SHKLYAR	13	DPWA	Multichannel
−0.048±0.002	WORKMAN	12A	DPWA	$\gamma N \rightarrow N\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.150±0.030	ANISOVICH	12A	DPWA	Multichannel
−0.019±0.002	[1] SHRESTHA	12A	DPWA	Multichannel
−0.011	DRECHSEL	07	DPWA	$\gamma N \rightarrow \pi N$
−0.039±0.003	DUGGER	07	DPWA	$\gamma N \rightarrow \pi N$
0.027	PENNER	02D	DPWA	Multichannel

[1] Statistical error only.

NODE=B015A2;LINKAGE=A

$N(1720) \rightarrow n\gamma$, helicity-1/2 amplitude $A_{1/2}$

NODE=B015A3
NODE=B015A3

VALUE ($GeV^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
−0.064±0.006	[1] HUNT	19	DPWA	Multichannel
$-0.028^{+0.015}_{-0.040}$	ANISOVICH	17E	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
−0.080±0.050	ANISOVICH	13B	DPWA	Multichannel
−0.002±0.001	[1] SHRESTHA	12A	DPWA	Multichannel
−0.003	DRECHSEL	07	DPWA	$\gamma N \rightarrow \pi N$
−0.004	PENNER	02D	DPWA	Multichannel

[1] Statistical error only.

NODE=B015A3;LINKAGE=A

$N(1720) \rightarrow n\gamma$, helicity-3/2 amplitude $A_{3/2}$

NODE=B015A4
NODE=B015A4

VALUE ($GeV^{-1/2}$)	DOCUMENT ID		TECN	COMMENT
−0.004±0.006	[1] HUNT	19	DPWA	Multichannel
−0.140±0.065	ANISOVICH	13B	DPWA	Multichannel
• • • We do not use the following data for averages, fits, limits, etc. • • •				
−0.001±0.002	[1] SHRESTHA	12A	DPWA	Multichannel
−0.031	DRECHSEL	07	DPWA	$\gamma N \rightarrow \pi N$
0.003	PENNER	02D	DPWA	Multichannel

[1] Statistical error only.

NODE=B015A4;LINKAGE=A

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