NODE=B039

NODE=B039



 $I(J^P) = 0(\frac{5}{2}^+)$ Status: ****

This resonance is the cornerstone for all partial-wave analyses in this region. Most of the results published before 1973 are now obsolete and have been omitted. They may be found in our 1982 edition Physics Letters **111B** 1 (1982).

*N***(1820) POLE POSITION**

REAL PART				
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
1812 to 1825 (\approx 1818) OUR E	STIMATE			
1813 ± 3	SARANTSEV	19	DPWA	K N multichannel
1824^{+2}_{-1}	¹ KAMANO	15	DPWA	$\overline{K}N$ multichannel
\bullet \bullet \bullet We do not use the follow	ving data for averages	, fits,	limits, e	tc. ● ● ●
1814	ZHANG	13A	DPWA	$\overline{K}N$ multichannel
1 From the preferred solution	A in KAMANO 15.			
-2×IMAGINARY PART				
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT

75 to 80 (\approx 77) OUR ESTIMATE 78 ± 7 SARANTSEV19DPWA \overline{K} N multichannel 77 ± 2 1 KAMANO15DPWA \overline{K} N multichannel• • • We do not use the followingdata for averages, fits, limits, etc. • • •85ZHANG13ADPWA \overline{K} N multichannel1 From the preferred solution A in KAMANO 15.

A(1820) POLE RESIDUES

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

Normalized residue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}$

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT
0.60 ±0.12	-22 ± 5	SARANTSEV	19	DPWA	$\overline{K}N$ multichannel
• • • We do not	t use the following data	for averages, fit	s, lim	its, etc.	• • •
0.558	-13 1	KAMANO	15	DPWA	$\overline{K}N$ multichannel
¹ From the pre	eferred solution A in KA	MANO 15.			

Normalized residue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow \Sigma \pi$

	•			
MODULUS	PHASE (°)	DOCUMENT ID	TECN	COMMENT
0.34 ±0.07	174 ± 5	SARANTSEV 19	DPWA	$\overline{K}N$ multichannel
• • • We do not	t use the following data	for averages, fits,	limits, etc.	• • •
0.357	168 1	KAMANO 15	DPWA	$\overline{K}N$ multichannel
¹ From the pre	eferred solution A in KA	MANO 15.		

Normalized residue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow \Lambda \eta$

MODULUS	PHASE (°)	DOCUMENT ID		TECN	COMMENT	N
• • • We d	o not use the follow	ng data for averages,	fits,	limits, et	C. ● ● ●	
0.0184	-3	¹ KAMANO	15	DPWA	$\overline{K}N$ multichannel	
¹ From th	e preferred solution	A in KAMANO 15.				N

Normalized residue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow \Xi K$

MODULUS	<u>PHASE (°)</u>	DOCUMENT ID		<u>TECN</u> <u>COMMENT</u>
\sim 0		SARANTSEV	19	DPWA $\overline{K}N$ multichannel
$\bullet \bullet \bullet$ We do	not use the follow	wing data for averages,	fits,	limits, etc. • • •
0.00111	70	¹ KAMANO	15	DPWA $\overline{K}N$ multichannel
¹ From the	preferred solutior	n A in KAMANO 15.		

NODE=B039225

NODE=B039RE NODE=B039RE \rightarrow UNCHECKED \leftarrow

OCCUR=3

NODE=B039RE;LINKAGE=A

NODE=B039IM NODE=B039IM \rightarrow UNCHECKED \leftarrow

NODE=B039IM;LINKAGE=A

NODE=B039250

NODE=B039250

NODE=B039A00 NODE=B039A00

NODE=B039A00;LINKAGE=A

NODE=B039A01 NODE=B039A01

NODE=B039A01;LINKAGE=A

NODE=B039A02 NODE=B039A02

NODE=B039A02;LINKAGE=A

NODE=B039A03 NODE=B039A03

NODE=B039A03;LINKAGE=A

Page 1

ASE (°)	DOCUMENT ID	TECNCOMMENT	NODE=B039A04
0 ± 50	SARANTSEV 19	DPWA $\overline{K}N$ multichannel	
e the following c	ata for averages, fits,	limits, etc. • • •	
	¹ KAMANO 15	DPWA $\overline{K}N$ multichannel	
red solution A in	KAMANO 15.		NODE=B039A04;LINKAGE=A
ue in $N\overline{K} \rightarrow$	$\Lambda(1820) \rightarrow \Sigma(132)$	85) π , <i>F</i> -wave	NODE=B039A05
<i>\SE (</i> °)	DOCUMENT ID	TECN COMMENT	NODE=B039A05
: 45	SARANTSEV 19	DPWA $\overline{K}N$ multichannel	
e the following c	ata for averages, fits,	limits, etc. • • •	
	* KAMANO 15	DPWA K N multichannel	
red solution A in	KAMANO 15.		NODE=B039A05;LINKAGE=A
ue in $NK \rightarrow$	$\Lambda(1820) \rightarrow NK^*$	(892), <i>S</i> =1/2 , <i>F</i> -wave	NODE=B039A06
<u>13E ()</u>	SARANTSEV 10	$\frac{1}{K} \frac{1}{K} \frac{1}$	
e the following a	lata for averages, fits,	limits, etc. • • •	
	¹ KAMANO 15	DPWA $\overline{K}N$ multichannel	
red solution A in	KAMANO 15.		NODE=B039A06;LINKAGE=A
ue in $N\overline{K} \rightarrow$	$\Lambda(1820) \rightarrow N\overline{K}^*$	(892). <i>S</i> =3/2 . <i>P</i> -wave	
<i>\SE (</i> ° <i>)</i>	DOCUMENT ID	TECN COMMENT	NODE=B039A07
0 ± 45	SARANTSEV 19	DPWA $\overline{K}N$ multichannel	
e the following c	ata for averages, fits,	limits, etc. • •	
39	¹ KAMANO 15	DPWA $\overline{K}N$ multichannel	
red solution A in	KAMANO 15.		NODE=B039A07;LINKAGE=A
ue in $N\overline{K} \rightarrow$	$\Lambda(1820) \rightarrow N\overline{K}^*$	(892), <i>S</i> =3/2 , <i>F</i> -wave	NODE=B039A08
ASE (°)	DOCUMENT ID	TECN COMMENT	NODE=B039A08
the following (SARANTSEV 19	DPWA KN multichannel	
e the following c	1 KAMANO 15	$DDW(A \overline{K} \ A multiphennol$	
1	- KAWANO 15	DPVVA K N multichannel	
red solution A in	KAMANO 15.		NODE=B039A08;LINKAGE=A
	4/1000) ******		
	71(1820) MASS		NODE=B039M
	DOCUMENT ID	TECN COMMENT	NODE=B039M NODE=B039M
1820) OUR EST	A(1820) MASS	TECN COMMENT	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
	A(1820) MASS	<u>TECN</u> <u>COMMENT</u> DPWA $\overline{K}N$ multichannel	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
1820) OUR EST	A(1820) MASS DOCUMENT ID MATE SARANTSEV 19 ZHANG 13A 2020	TECN COMMENT DPWA $\overline{K} N$ multichannel DPWA $\overline{K} N$ multichannel	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
1820) OUR EST	A(1820) MASS DOCUMENT ID MATE SARANTSEV 19 ZHANG 13A GOPAL 80 ALCON	TECNCOMMENTDPWA $\overline{K}N$ multichannelDPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
1820) OUR EST	A(1820) MASS	TECNCOMMENTDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
1820) OUR EST	A(1820) MASS	<u>TECN</u> <u>COMMENT</u> DPWA $\overline{K}N$ multichannel DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \Sigma\pi$ limits etc. • • •	NODE=B039M NODE=B039M → UNCHECKED ←
1820) OUR EST the following c	A(1820) MASS	<u>TECN</u> <u>COMMENT</u> DPWA $\overline{K}N$ multichannel DPWA $\overline{K}N$ multichannel DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $K^- p \rightarrow \Sigma \pi$ limits, etc. • • • DPWA $\overline{K}N \rightarrow \overline{K}N$	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow
1820) OUR EST the following o	A(1820) MASS DOCUMENT ID MATE SARANTSEV 19 ZHANG 13A GOPAL 80 ALSTON 78 KANE 74 lata for averages, fits, DECLAIS 77 GOPAL 77	TECNCOMMENTDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $K^- p \rightarrow \Sigma \pi$ limits, etc.•DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N multichannel$	NODE=B039M NODE=B039M → UNCHECKED ←
1820) OUR EST ise the following o	ALSTON 78 KANE 74 KANE 74 KANE 74 KANE 74 KANE 74 KANE 77 GOPAL 77 MARTIN 77	TECNCOMMENTDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $K^- p \rightarrow \Sigma \pi$ limits, etc.• •DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichannel	NODE=B039M NODE=B039M → UNCHECKED ←
1820) OUR EST	A(1820) MASS	TECNCOMMENTDPWA $\overline{K}N$ multichannelDPWA $\overline{K}N$ multichannelDPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K} \rightarrow \overline{K}N$ DPWA $\overline{K} \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N \rightarrow \overline{K}N$ DPWA $\overline{K}N$ multichannelDPWA $\overline{K}N$ multichanneland from a Breit-Wigner fit.	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow NODE=B039;LINKAGE=A
1820) OUR EST	A(1820) MASS	TECNCOMMENTDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} P \rightarrow \Sigma \pi$ limits, etc.•DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichanneland from a Breit-Wigner fit.	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow NODE=B039;LINKAGE=A NODE=B039W
1820) OUR EST	A(1820) MASS DOCUMENT ID MATE SARANTSEV 19 ZHANG 13A GOPAL 80 ALSTON 78 KANE 74 lata for averages, fits, DECLAIS 77 GOPAL 77 MARTIN 77 from a T-matrix pole A(1820) WIDTH	TECNCOMMENTDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichannelDPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} P \rightarrow \Sigma \pi$ limits, etc.• •DPWA $\overline{K} N \rightarrow \overline{K} N$ DPWA $\overline{K} N$ multichannelDPWA $\overline{K} N$ multichanneland from a Breit-Wigner fit.	NODE=B039M NODE=B039M \rightarrow UNCHECKED \leftarrow NODE=B039;LINKAGE=A NODE=B039W
	0 ± 50 is the following d is the following d is red solution A in ue in $N\overline{K} \rightarrow \frac{ASE(C)}{2}$ is the following d is the following d red solution A in ue in $N\overline{K} \rightarrow \frac{ASE(C)}{2}$ is the following d is the following d ig the followi	0 ± 50 SARANTSEV 19 se the following data for averages, fits, . 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow \Sigma(133)$ <u>ASE (°)</u> 2 45 SARANTSEV 19 se the following data for averages, fits, . 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 39 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 39 1 KAMANO 15 red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 1 KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$ <u>ASE (°)</u> <u>DOCUMENT ID</u> SARANTSEV 19 se the following data for averages, fits, 1 KAMANO 15. ue in $N\overline{K} \rightarrow A(1820) \rightarrow N\overline{K}^*$	0 ± 50 SARANTSEV 19 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • . 1 KAMANO 15 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow \Sigma(1385)\pi$, F-wave <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> : 45 SARANTSEV 19 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • . 1 KAMANO 15 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}^{*}(892), S=1/2, F-wave$ <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> SARANTSEV 19 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • <u>1</u> KAMANO 15 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • <u>1</u> KAMANO 15 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}^{*}(892), S=3/2, P-wave$ <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> N0 ± 45 SARANTSEV 19 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • <u>39</u> <u>1</u> KAMANO 15 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • <u>39</u> <u>1</u> KAMANO 15 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}^{*}(892), S=3/2, F-wave$ <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> SARANTSEV 19 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}^{*}(892), S=3/2, F-wave$ <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> SARANTSEV 19 DPWA \overline{K} N multichannel red solution A in KAMANO 15. ue in $N\overline{K} \rightarrow \Lambda(1820) \rightarrow N\overline{K}^{*}(892), S=3/2, F-wave$ <u>ASE (°)</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u> SARANTSEV 19 DPWA \overline{K} N multichannel se the following data for averages, fits, limits, etc. • • • <u>51</u> <u>1</u> KAMANO 15 DPWA \overline{K} N multichannel red solution A in KAMANO 15.

SARANTSEV 19 DPWA $\overline{K}N$ multichannel

ALSTON-... 78 DPWA $\overline{K}N \rightarrow \overline{K}N$

ZHANG

GOPAL

KANE \bullet \bullet \bullet We do not use the following data for averages, fits, limits, etc. \bullet \bullet

DECLAIS

GOPAL ¹ MARTIN

 $^1\,\mbox{The}$ two MARTIN 77 values are from a T-matrix pole and from a Breit-Wigner fit.

13A DPWA $\overline{K}N$ multichannel

80 DPWA $\overline{K}N \rightarrow \overline{K}N$

74 DPWA $K^- p \rightarrow \Sigma \pi$

77 DPWA $\overline{K}N \rightarrow \overline{K}N$

77 DPWA $\overline{K}N$ multichannel

77 DPWA $\overline{K}N$ multichannel

 80 ± 8

 $89\!\pm\!2$

 77 ± 5

 72 ± 5

 $87\pm\!3$

 $81\!\pm\!5$

76 or 76

82

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NODE=B039215;NODE=B039

DESIG=1;OUR EST DESIG=2;OUR EST DESIG=7;OUR EST

NODE=B039220

NODE=B039220

DESIG=5 DESIG=6 DESIG=4 DESIG=11 DESIG=3 DESIG=9 DESIG=8 DESIG=10

A(1820) DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Г1	NK	55-65 %
Γ2	$\Sigma \pi$	8–14 %
Γ ₃	$\Sigma(1385)\pi$	5–10 %
Γ ₄	$\Sigma(1385)\pi$, <i>P</i> -wave	
Γ ₅	$\Sigma(1385)\pi$, <i>F</i> -wave	(2.0±1.0) %
Γ ₆	$\Lambda\eta$	
Γ ₇	ΞK	
Г ₈	$\Sigma \pi \pi$	
Г9	$N\overline{K}^*(892)$, $S\!\!=\!\!1/2$, F-wave	
Γ ₁₀	$N\overline{K}^{*}(892)$, $S\!\!=\!\!3/2$, P -wave	(3.0±1.0) %
Γ ₁₁	$N\overline{K}^{*}(892)$, S=3/2, F-wave	

A(1820) BRANCHING RATIOS

Errors quoted do not include uncertainties in the parametrizations used in the partial-wave analyses and are thus too small. See also "Sign conventions for resonance couplings" in the Note on Λ and Σ Resonances.

$\Gamma(N\overline{K})/\Gamma_{\text{total}}$					Γ_1/Γ	NODE=B039R1
VALUE	DOCUMENT ID		TECN	COMMENT		NODE=B039R1
0.55 to 0.65 OUR ESTIMATE						\rightarrow UNCHECKED \leftarrow
0.58 ± 0.12	SARANISEV	19	DPWA	K N multichanne		
0.54 ± 0.01	ZHANG	13A		K IV multichanne		
0.58 ± 0.02	GUPAL	80 70		$K N \rightarrow K N$ $\overline{K} N \rightarrow \overline{K} N$		
$\bullet \bullet \bullet$ We do not use the followin	ALSION or data for average	10 s fits	limits e	$K N \rightarrow K N$		
		s, mus,				
0.547		15		\overline{K} N multichanne		
0.51	CODAL	77		$K N \rightarrow K N$		
0.57 ± 0.02	2 MADTIN	77		K N multichann	1	
			DI WA		-	
¹ From the preferred solution A	in KAMANO 15.	مامین	and fue	m o Busit Mismou	£.+	NODE=B039R1;LINKAGE=A
The two MARTIN // values a	are from a 1-matri	x poie	e and fro	m a breit-wigner	IIL.	NODE=B039R1;LINKAGE=B
$\Gamma(\Sigma\pi)/\Gamma_{\rm total}$					Γ_2/Γ	
VALUE	DOCUMENT ID		TECN	COMMENT	_/	NODE=B039R04
0.19 ±0.04	SARANTSEV	19	DPWA	$\overline{K}N$ multichanne	el	
• • • We do not use the followin	g data for average	s, fits,	limits, e	etc. • • •		
0.218	¹ KAMANO	15	DPWA	$\overline{K}N$ multichanne	el	
1 From the preferred solution A	in KAMANO 15.					NODE=B039R04;LINKAGE=A
$\Gamma(\Sigma(1385)\pi, P\text{-wave})/\Gamma_{\text{total}}$					Γ₄/Γ	
VALUE	DOCUMENT ID		TECN	COMMENT		NODE = B039R08 NODE = B039R08
~ 0.01	SARANTSEV	19	DPWA	$\overline{K}N$ multichanne	2I	
• • We do not use the followin	g data for average	s, fits,	limits, e	etc. • • •	-	
0.173	¹ KAMANO	15	DPWA	$\overline{K}N$ multichanne	el	
1 From the preferred solution A	in KAMANO 15.					NODE=B039R08;LINKAGE=A
					F /F	,,
$I(\Sigma(1385)\pi, F-wave)/I_{tota}$	I				15/1	NODE=B039R09
VALUE	DOCUMENT ID		<u>TECN</u>	<u>COMMENT</u>		NODE=B039R09
0.02 ± 0.01	SARANTSEV	19	DPWA	KN multichanne	el	
• • • We do not use the followin	g data for average	s, fits,	limits, e	etc. • • •		
0.055	¹ KAMANO	15	DPWA	<i>K</i> <i>N</i> multichanne	el	
1 From the preferred solution A	in KAMANO 15.					NODE=B039R09;LINKAGE=A
$\Gamma(\Lambda n)/\Gamma_{total}$					Γ6/Γ	
VALUE	DOCUMENT ID		TECN	COMMENT	•,	NODE=B039R05 NODE=B039R05
• • • We do not use the followin	g data for average	s, fits.	limits, e	etc. • • •		
0.001	¹ KAMANO	15	DPWA	Multichannel		

¹From the preferred solution A in KAMANO 15.

$\Gamma(\Xi K)/\Gamma_{\rm total}$				Γ-/Γ	
VALUE	DOCUMENT ID	TECN	COMMENT	- 17 -	NODE=B039R03 NODE=B039R03
$\bullet \bullet \bullet$ We do not use the following	g data for averages	, fits, limits,	etc. • • •		
not seen	¹ KAMANO	15 DPW	A Multichannel		
1 From the preferred solution A	in KAMANO 15.				NODE=B039R03;LINKAGE=A
$\Gamma(\Sigma \pi \pi) / \Gamma_{\text{total}}$				Г ₈ /Г	
VALUE	DOCUMENT ID	TECN	COMMENT		NODE=B039R5
no clear signal	¹ ARMENTERO	S68C HDBC	$C K^- N \rightarrow \Sigma c$	$\pi \pi$	
¹ There is a suggestion of a bu $\Sigma(1385) o \Sigma \pi$ decay.	mp, enough to be	consistent v	vith what is exp	ected from	NODE=B039;LINKAGE=C
Γ(<i>N</i> K *(892), <i>S</i> =1/2, <i>F</i> -wave	e)/F _{total} <u>DOCUMENT ID</u>	TECN	COMMENT	Γ ₉ /Γ	NODE=B039R00 NODE=B039R00
$\bullet~\bullet~\bullet$ We do not use the following	g data for averages	, fits, limits,	etc. • • •		
not seen	¹ KAMANO	15 DPW	A Multichannel		
1 From the preferred solution A	in KAMANO 15.				NODE=B039R00;LINKAGE=A
$\Gamma(N\overline{K}^{*}(802)) = S - 3/2 P_{MOM}$	а) /Г			Γ	
VALUE	DOCUMENT ID	TECN	COMMENT	· 10/ ·	NODE=B039R01 NODE=B039R01
0.03 ±0.01	ZHANG	13A DPW	A Multichannel		
\bullet \bullet \bullet We do not use the following	g data for averages	, fits, limits,	etc. • • •		
0.006	¹ KAMANO	15 DPW	A Multichannel		
1 From the preferred solution A	in KAMANO 15.				NODE=B039R01;LINKAGE=A
$\Gamma(N\overline{K}^*(892), S=3/2, F-wave)$	e)/Γ _{total}			Γ ₁₁ /Γ	NODE=B039R02
VALUE	DOCUMENT ID	<u>TECN</u>	<u>COMMENT</u>		NODE=B039R02
• • • We do not use the followin	g data for averages	, fits, limits,	etc. • • •		
not seen	- KAMANO 15	15 DPW	A Multichannel		
⁺ From the preferred solution A	in KAMANO 15.				NODE=B039R02;LINKAGE=A
$\frac{(\Gamma_i \Gamma_f)^{\frac{1}{2}}}{VALUE} \text{ in } N\overline{K} \to \Lambda(1)$	1 820) → Σπ <u>DOCUMENT ID</u>	<u>TECN</u>	(Г	1 ₁ Γ ₂) ^½ /Γ	NODE=B039R2 NODE=B039R2
-0.28 ± 0.01	ZHANG	13A DPW	A Multichannel		
-0.28 ± 0.03	GOPAL	77 DPW	A $\overline{K}N$ multicha	nnel	
-0.28 ± 0.01	KANE data for averages	74 DPW	$A K^{-} p \rightarrow \Sigma \pi$	T	
0.25 or 0.25	1 MARTIN	77 DD\\\/	$\overline{K} N $ multicha	nnol	
1 The two MARTIN 77 values	water a T matrix	(noto and fr	om o Proit Mia	ninei aar fit	
	ire ironi a T-matrix		oni a Breit-Wigi		NODE=B039R2;LINKAGE=A
$(\Gamma_i \Gamma_f)^{\frac{1}{2}} / \Gamma_{\text{total}} \text{ in } N \overline{K} \to \Lambda(1)$	$1820) \rightarrow \Sigma(1389)$	5)π, Ρ-wa ν TECN	ле (Г	1 ₁ Γ ₄) ^½ /Γ	NODE=B039R6 NODE=B039R6
-0.20 ±0.02	ZHANG	13A DPW	A Multichannel		
-0.167 ± 0.054	¹ CAMERON	78 DPW	A $K^- p \rightarrow \Sigma(2)$	1385) π	
$+0.27 \pm 0.03$	PREVOST	74 DPW	A $K^- N \rightarrow \Sigma$	$(1385)\pi$	
¹ The published sign has been o	hanged to be in ac	cord with th	ne baryon-first co	onvention.	NODE=B039R6;LINKAGE=E
$(\Gamma_i\Gamma_f)^{\frac{1}{2}}/\Gamma_{\text{total}}$ in $N\overline{K} \to \Lambda(1)$	$1820) \rightarrow \Sigma(138)$	5) π , F-way		₁г₅) ^½ /г	
+0.065+0.029	¹ CAMERON	<u>78</u>	$A K^{-} p \rightarrow \Sigma^{(1)}$	$1385)\pi$	NODE-B039K1
¹ The published sign has been a	hanged to be in ac	cord with th	e barvon-first co	nvention	
1/				1/	NUDE=DU39;LINKAGE=E
$\frac{(\Gamma_i \Gamma_f)^{\frac{1}{2}}}{VALUE} \text{ in } N\overline{K} \to \Lambda(1)$	1 820) → Λη <u>DOCUMENT I</u> D	<u>TEC</u> N	(Г _	₁Γ ₆) ^{≯2} /Γ	NODE=B039R3 NODE=B039R3
-0.096 + 0.040	RADER	73 MPW	- ′A		
-0.020					

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