Meson Full Listings

D^0

$\Gamma(\pi^+\pi^-\pi^0)/\Gamma_{total}$ Γ_{114}/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.016 ±0.011 OUR AVERAGE		Error includes scale factor of 2.7.			
$0.0390^{+0.0100}_{-0.0095}$		[60] BARLAG	92C	ACCM	π^- Cu 230 GeV
0.011 ±0.004 ±0.002	10	[61] BALTRUSAIT...	85E	MRK3	e^+e^- 3.77 GeV

[60] BARLAG 92C computes the branching fraction using topological normalization. Possible contamination by extra π^0's may partly explain the unexpectedly large value.

[61] All the BALTRUSAITIS 85E events are consistent with $\rho^0\pi^0$.

$\Gamma(\pi^+\pi^+\pi^-\pi^-)/\Gamma_{total}$ Γ_{115}/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.0028 ± 0.0008		[62] BARLAG	92C	ACCM	π^- Cu 230 GeV
$0.005\ ^{+0.011}_{-0.001}$ ±0.001	1	[62] AGUILAR-...	87F	HYBR	πp, pp 360, 400 GeV
0.015 ±0.006 ±0.002	9	BALTRUSAIT...	85E	MRK3	e^+e^- 3.77 GeV

[62] AGUILAR-BENITEZ 87F and BARLAG 92C compute the branching fraction using topological normalization.

$\Gamma(\pi^+\pi^+\pi^-\pi^-)/\Gamma(K^-\pi^+\pi^+\pi^-)$ Γ_{115}/Γ_{39}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.103±0.009 OUR AVERAGE					
0.115±0.023±0.016	64	ADAMOVICH	92	OMEG	π^- 340 GeV
0.108±0.024±0.008	79	FRABETTI	92	E687	γ Be
0.102±0.013	345	[63] AMMAR	91	CLEO	$e^+e^-\approx$ 10.5 GeV
0.096±0.018±0.007	66	ANJOS	91	E691	γ Be 80–240 GeV

[63] AMMAR 91 finds 1.25 ± 0.25 ± 0.25 ρ^0's per $\pi^+\pi^+\pi^-\pi^-$ decay, but can't untangle the resonant substructure ($\rho^0\rho^0$, $a_1^\pm\pi^\mp$, $\rho^0\pi^+\pi^-$).

$\Gamma(\pi^+\pi^+\pi^-\pi^-\pi^0)/\Gamma_{total}$ Γ_{116}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
$\mathbf{0.0192^{+0.0041}_{-0.0038}}$	[64] BARLAG	92C	ACCM	π^- Cu 230 GeV

[64] BARLAG 92C computes the branching fraction using topological normalization.

$\Gamma(\pi^+\pi^+\pi^+\pi^-\pi^-\pi^-)/\Gamma_{total}$ Γ_{117}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
0.0004±0.0003	[65] BARLAG	92C	ACCM	π^- Cu 230 GeV

[65] BARLAG 92C computes the branching fraction using topological normalization.

Hadronic modes with two K's

$\Gamma(K^+K^-)/\Gamma_{total}$ Γ_{118}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$0.0051\ ^{+0.0012}_{-0.0011}$	[66] BARLAG	92C	ACCM	π^- Cu 230 GeV

[66] BARLAG 92C computes the branching fraction using topological normalization.

$\Gamma(K^+K^-)/\Gamma(K^-\pi^+)$ Γ_{118}/Γ_{21}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.113±0.006 OUR FIT					
0.113±0.006 OUR AVERAGE					
0.109±0.007±0.009	581	FRABETTI	94C	E687	γ Be $\overline{E}_\gamma$= 220 GeV
0.107±0.029±0.015	103	ADAMOVICH	92	OMEG	π^- 340 GeV
0.138±0.027±0.010	155	FRABETTI	92	E687	γ Be
0.16 ±0.05	34	ALVAREZ	91B	NA14	Photoproduction
0.107±0.010±0.009	193	ANJOS	91D	E691	Photoproduction
0.10 ±0.02 ±0.01	131	ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV
0.117±0.010±0.007	249	ALEXANDER	90	CLEO	e^+e^- 10.5–11 GeV
0.122±0.018±0.012	118	BALTRUSAIT...	85E	MRK3	e^+e^- 3.77 GeV
0.113±0.030		ABRAMS	79D	MRK2	e^+e^- 3.77 GeV

$\Gamma(K^+K^-)/\Gamma(\pi^+\pi^-)$ $\Gamma_{118}/\Gamma_{112}$

The unused results here are redundant with $\Gamma(K^+K^-)/\Gamma(K^-\pi^+)$ and $\Gamma(\pi^+\pi^-)/\Gamma(K^-\pi^+)$ measurements by the same experiments.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
2.53±0.46±0.19		FRABETTI	94C	E687	γ Be $\overline{E}_\gamma$ = 220 GeV
2.23±0.81±0.46		ADAMOVICH	92	OMEG	π^- 340 GeV
1.95±0.34±0.22		ANJOS	91D	E691	Photoproduction
2.5 ±0.7		ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV
2.35±0.37±0.28	110	ALEXANDER	90	CLEO	e^+e^- 10.5–11 GeV

$\Gamma(K^0\overline{K}^0)/\Gamma_{total}$ Γ_{119}/Γ

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.0046	90	ADLER	88C	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^0\overline{K}^0)/\Gamma(K^-\pi^+)$ Γ_{119}/Γ_{21}

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.032	90	ANJOS	92B	E691	γ Be 80–240 GeV

$\Gamma(K^0\overline{K}^0)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{119}/Γ_{23}

VALUE	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{0.021^{+0.009}_{-0.007}}$ **OUR FIT**						
$\mathbf{0.021^{+0.011}_{-0.008}\pm0.002}$		5	ALEXANDER	90	CLEO	e^+e^- 10.5–11 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •						
< 0.016	90		ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV

$\Gamma(K^0\overline{K}^0)/\Gamma(K^+K^-)$ $\Gamma_{119}/\Gamma_{118}$

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{0.24^{+0.10}_{-0.08}}$ **OUR FIT**					
0.24±0.16	4	[67] CUMALAT	88	SPEC	nN 0–800 GeV

[67] Includes a correction communicated to us by the authors of CUMALAT 88.

$\Gamma(K^0K^-\pi^+)/\Gamma(K^-\pi^+)$ Γ_{120}/Γ_{21}

VALUE	DOCUMENT ID		TECN	COMMENT
0.157±0.028 OUR FIT	Error includes scale factor of 1.1.			
0.16 ±0.06	[68] ANJOS	91	E691	γ Be 80–240 GeV

[68] The factor 100 at the top of column 2 of Table I of ANJOS 91 should be omitted.

$\Gamma(K^0K^-\pi^+)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{120}/Γ_{23}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.120±0.019 OUR FIT	Error includes scale factor of 1.2.				
0.119±0.021 OUR AVERAGE	Error includes scale factor of 1.3.				
0.108±0.019	61	AMMAR	91	CLEO	$e^+e^-\approx$ 10.5 GeV
0.16 ±0.03 ±0.02	39	ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV

$\Gamma(\overline{K}^*(892)^0K^0)/\Gamma(K^-\pi^+)$ Γ_{136}/Γ_{21}

Unseen decay modes of the $\overline{K}^*(892)^0$ are included.

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$0.00^{+0.03}_{-0.00}$	[69] ANJOS	91	E691	γ Be 80–240 GeV

[69] The factor 100 at the top of column 2 of Table I of ANJOS 91 should be omitted.

$\Gamma(\overline{K}^*(892)^0K^0)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{136}/Γ_{23}

Unseen decay modes of the $\overline{K}^*(892)^0$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
< 0.029	90	AMMAR	91	CLEO	$e^+e^-\approx$ 10.5 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.03	90	ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV

$\Gamma(K^*(892)^+K^-)/\Gamma(K^-\pi^+)$ Γ_{137}/Γ_{21}

Unseen decay modes of the $K^*(892)^+$ are included.

VALUE	DOCUMENT ID		TECN	COMMENT
0.084±0.019 OUR FIT				
$\mathbf{0.16\ ^{+0.08}_{-0.06}}$	[70] ANJOS	91	E691	γ Be 80–240 GeV

[70] The factor 100 at the top of column 2 of Table I of ANJOS 91 should be omitted.

$\Gamma(K^*(892)^+K^-)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{137}/Γ_{23}

Unseen decay modes of the $K^*(892)^+$ are included.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.064±0.014 OUR FIT					
0.058±0.014 OUR AVERAGE					
0.064±0.018	23	AMMAR	91	CLEO	$e^+e^-\approx$ 10.5 GeV
0.05 ±0.02 ±0.01	15	ALBRECHT	90C	ARG	$e^+e^-\approx$ 10 GeV

$\Gamma(K^0K^-\pi^+\text{nonresonant})/\Gamma(K^-\pi^+)$ Γ_{123}/Γ_{21}

VALUE	DOCUMENT ID		TECN	COMMENT
0.06±0.06	[71] ANJOS	91	E691	γ Be 80–240 GeV

[71] The factor 100 at the top of column 2 of Table I of ANJOS 91 should be omitted.

$\Gamma(\overline{K}^0K^+\pi^-)/\Gamma(K^-\pi^+)$ Γ_{124}/Γ_{21}

VALUE	DOCUMENT ID		TECN	COMMENT
0.123±0.025 OUR FIT				
0.10 ±0.05	[72] ANJOS	91	E691	γ Be 80–240 GeV

[72] The factor 100 at the top of column 2 of Table I of ANJOS 91 should be omitted.

$\Gamma(\overline{K}^0K^+\pi^-)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{124}/Γ_{23}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.093±0.018 OUR FIT					
0.098±0.020	55	AMMAR	91	CLEO	$e^+e^-\approx$ 10.5 GeV