Meson Full Listings

$D^{\pm}$

$\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)/\Gamma(K^-\pi^+\pi^+)$ Γ_{52}/Γ_{35}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.78 ± 0.10 OUR FIT					
0.77 ± 0.07 ± 0.11	229	ANJOS	92C	E691	γ Be 90–260 GeV

$\Gamma(\overline{K}^0 a_1(1260)^+)/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{67}/Γ_{52}

Unseen decay modes of the $a_1(1260)^+$ are included.

VALUE	DOCUMENT ID		TECN	COMMENT
1.15 ± 0.19 OUR AVERAGE	Error includes scale factor of 1.1.			
1.66 ± 0.28 ± 0.40	ANJOS	92C	E691	γ Be 90–260 GeV
1.078 ± 0.114 ± 0.140	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^0 a_2(1320)^+)/\Gamma_{\text{total}}$ Γ_{68}/Γ

Unseen decay modes of the $a_2(1320)^+$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
< 0.003	90	ANJOS	92C	E691	γ Be 90–260 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.008	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}_1(1270)^0\pi^+)/\Gamma_{\text{total}}$ Γ_{75}/Γ

Unseen decay modes of the $\overline{K}_1(1270)^0$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
< 0.007	90	ANJOS	92C	E691	γ Be 90–260 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.011	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}_1(1400)^0\pi^+)/\Gamma_{\text{total}}$ Γ_{76}/Γ

Unseen decay modes of the $\overline{K}_1(1400)^0$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.009	90	[45] ANJOS	92C	E691	γ Be 90–260 GeV

[45] ANJOS 92C sees no evidence for $\overline{K}_1(1400)^0\pi^+$ in either the $\overline{K}^0\pi^+\pi^+\pi^-$ or $K^-\pi^+\pi^+\pi^0$ channels, whereas COFFMAN 92B finds the $\overline{K}_1(1400)^0\pi^+$ branching fraction to be large; see the next entry.

$\Gamma(\overline{K}_1(1400)^0\pi^+)/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{76}/Γ_{52}

Unseen decay modes of the $\overline{K}_1(1400)^0$ are included.

VALUE	DOCUMENT ID		TECN	COMMENT
0.70 ± 0.17 OUR FIT				
0.623 ± 0.106 ± 0.180	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^*(1410)^0\pi^+)/\Gamma_{\text{total}}$ Γ_{77}/Γ

Unseen decay modes of the $\overline{K}^*(1410)^0$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
< 0.007	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^*(892)^-\pi^+\pi^+ \text{3-body})/\Gamma_{\text{total}}$ Γ_{82}/Γ

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

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
0.021 ± 0.009 OUR FIT					
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.013	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^*(892)^-\pi^+\pi^+ \text{3-body})/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{82}/Γ_{52}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.29 ± 0.13 OUR FIT	Error includes scale factor of 1.1.			
0.50 ± 0.09 ± 0.21	ANJOS	92C	E691	γ Be 90–260 GeV

$\Gamma(\overline{K}^0\rho^0\pi^+ \text{total})/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{85}/Γ_{52}

This includes $\overline{K}^0 a_1(1260)^+$. The next two entries gives the specifically 3-body reaction.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
0.60 ± 0.10 ± 0.17	90	ANJOS	92C	E691	γ Be 90–260 GeV

$\Gamma(\overline{K}^0\rho^0\pi^+ \text{3-body})/\Gamma_{\text{total}}$ Γ_{86}/Γ

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.004	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^0\rho^0\pi^+ \text{3-body})/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{86}/Γ_{52}

VALUE	DOCUMENT ID		TECN	COMMENT
0.07 ± 0.04 ± 0.06	ANJOS	92C	E691	γ Be 90–260 GeV

$\Gamma(\overline{K}^0 f_0(980)\pi^+)/\Gamma_{\text{total}}$ Γ_{87}/Γ

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
< 0.005	90	ANJOS	92C	E691	γ Be 90–260 GeV

$\Gamma(\overline{K}^0\pi^+\pi^+\pi^- \text{ nonresonant})/\Gamma(\overline{K}^0\pi^+\pi^+\pi^-)$ Γ_{57}/Γ_{52}

VALUE	DOCUMENT ID		TECN	COMMENT
0.12 ± 0.06 OUR AVERAGE				
0.10 ± 0.04 ± 0.06	ANJOS	92C	E691	γ Be 90–260 GeV
0.17 ± 0.056 ± 0.100	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^-\pi^+\pi^+\pi^+\pi^-)/\Gamma_{\text{total}}$ Γ_{58}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$0.0037^{+0.0012}_{-0.0010}$	[46] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(K^-\pi^+\pi^+\pi^+\pi^-)/\Gamma(K^-\pi^+\pi^+)$ Γ_{58}/Γ_{35}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.09 ± 0.01 ± 0.01	113	ANJOS	90D	E691	Photoproduction

$\Gamma(\overline{K}^*(892)^0\pi^+\pi^+\pi^-)/\Gamma(K^-\pi^+\pi^+\pi^+\pi^-)$ Γ_{88}/Γ_{58}

Includes a factor 3/2 to take into account $\overline{K}^*(892)^0 \to \overline{K}^0\pi^0$.

VALUE	DOCUMENT ID		TECN	COMMENT
1.25 ± 0.12 ± 0.23	ANJOS	90D	E691	Photoproduction

$\Gamma(\overline{K}^*(892)^0\rho^0\pi^+)/\Gamma(\overline{K}^*(892)^0\pi^+\pi^+\pi^-)$ Γ_{89}/Γ_{88}

VALUE	DOCUMENT ID		TECN	COMMENT
0.75 ± 0.17 ± 0.19	ANJOS	90D	E691	Photoproduction

$\Gamma(K^-\pi^+\pi^+\pi^0\pi^0)/\Gamma_{\text{total}}$ Γ_{61}/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{0.022^{+0.047}_{-0.008} \pm 0.004}$	1	[47] AGUILAR-...	87F	HYBR	πp, pp 360, 400 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.015		[47] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(\overline{K}^0\pi^+\pi^+\pi^-\pi^0)/\Gamma_{\text{total}}$ Γ_{62}/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{0.054^{+0.030}_{-0.014}}$ **OUR AVERAGE**					
$0.099^{+0.036}_{-0.070}$		[48] BARLAG	92C	ACCM	π^- Cu 230 GeV
$0.044^{+0.052}_{-0.013} \pm 0.007$	2	[48] AGUILAR-...	87F	HYBR	πp, pp 360, 400 GeV

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

$\Gamma(\overline{K}^0\pi^+\pi^+\pi^+\pi^-\pi^-)/\Gamma_{\text{total}}$ Γ_{63}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
0.0008 ± 0.0007	[49] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(K^-\pi^+\pi^+\pi^+\pi^-\pi^0)/\Gamma_{\text{total}}$ Γ_{64}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
0.0020 ± 0.0018	[50] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(\overline{K}^0\overline{K}^0K^+)/\Gamma(K^-\pi^+\pi^+)$ Γ_{65}/Γ_{35}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.34 ± 0.07	70	AMMAR	91	CLEO	$e^+e^- \approx 10.5$ GeV

Pionic modes

$\Gamma(\pi^+\pi^0)/\Gamma_{\text{total}}$ Γ_{90}/Γ

VALUE	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •						
< 0.0053	90	1	BALTRUSAIT...	85E	MRK3	e^+e^- 3.77 GeV

$\Gamma(\pi^+\pi^0)/\Gamma(\overline{K}^0\pi^+)$ Γ_{90}/Γ_{34}

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
< 0.30	90	SCHINDLER	81	MRK2	e^+e^- 3.771 GeV

$\Gamma(\pi^+\pi^0)/\Gamma(K^-\pi^+\pi^+)$ Γ_{90}/Γ_{35}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.028 ± 0.006 ± 0.005	34	SELEN	93	CLEO	$e^+e^- \approx \Upsilon(4S)$

$\Gamma(\pi^+\pi^+\pi^-)/\Gamma_{\text{total}}$ Γ_{91}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$0.0014^{+0.0011}_{-0.0010}$	[51] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(\pi^+\pi^+\pi^-)/\Gamma(K^-\pi^+\pi^+)$ Γ_{91}/Γ_{35}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.035 ± 0.006 OUR AVERAGE					
0.032 ± 0.011 ± 0.003	20	ADAMOVICH	93	WA82	π^- 340 GeV
0.035 ± 0.007 ± 0.003		ANJOS	89	E691	Photoproduction
0.042 ± 0.016 ± 0.010	57	BALTRUSAIT...	85E	MRK3	e^+e^- 3.77 GeV