Meson Full Listings

D^0

$\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{48}/Γ_{23}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
1.86±0.21 OUR FIT					
1.86±0.23 OUR AVERAGE					
1.80±0.20±0.21	190	[41] ALBRECHT	92P	ARG	$e^+e^-\approx$ 10 GeV
2.8 ±0.8 ±0.8	46	ANJOS	92C	E691	γ Be 90–260 GeV
1.85±0.26±0.30	158	KINOSHITA	91	CLEO	$e^+e^-\sim$ 10.7 GeV

[41] This value is calculated from numbers in Table 1 of ALBRECHT 92P.

$\Gamma(\overline{K}^0\eta)/\Gamma(K^-\pi^+)$ Γ_{69}/Γ_{21}

Unseen decay modes of the η are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<0.64	90	ALBRECHT	89D	ARG	e^+e^- 10 GeV

$\Gamma(\overline{K}^0\eta)/\Gamma(\overline{K}^0\pi^0)$ Γ_{69}/Γ_{22}

Unseen decay modes of the η are included.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.33±0.04 OUR FIT					
0.32±0.04±0.03	225	PROCARIO	93B	CLEO	$\eta\to\gamma\gamma$

$\Gamma(\overline{K}^0\eta)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{69}/Γ_{23}

Unseen decay modes of the η are included.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.129±0.017 OUR FIT					
0.14 ±0.02 ±0.02	80	PROCARIO	93B	CLEO	$\eta\to\pi^+\pi^-\pi^0$

$\Gamma(\overline{K}^0\omega)/\Gamma(K^-\pi^+)$ Γ_{72}/Γ_{21}

Unseen decay modes of the ω are included.

VALUE	DOCUMENT ID		TECN	COMMENT
0.50±0.09 OUR FIT				
1.00±0.36±0.20	ALBRECHT	89D	ARG	e^+e^- 10 GeV

$\Gamma(\overline{K}^0\omega)/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{72}/Γ_{23}

Unseen decay modes of the ω are included.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.38±0.07 OUR FIT					
0.33±0.09 OUR AVERAGE Error includes scale factor of 1.1.					
0.29±0.08±0.05	16	[42] ALBRECHT	92P	ARG	$e^+e^-\approx$ 10 GeV
0.54±0.14±0.16	40	KINOSHITA	91	CLEO	$e^+e^-\sim$ 10.7 GeV

[42] This value is calculated from numbers in Table 1 of ALBRECHT 92P.

$\Gamma(\overline{K}^0\omega)/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{72}/Γ_{48}

Unseen decay modes of the ω are included.

VALUE	DOCUMENT ID		TECN	COMMENT
0.21 ±0.04 OUR FIT				
0.220±0.048±0.0116	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^0\eta'(958))/\Gamma(\overline{K}^0\pi^+\pi^-)$ Γ_{73}/Γ_{23}

Unseen decay modes of the $\eta'(958)$ are included.

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.32±0.04 OUR AVERAGE					
0.31±0.02±0.04	594	PROCARIO	93B	CLEO	$\eta'\to\eta\pi^+\pi^-$, $\rho^0\gamma$
0.37±0.13±0.06	18	[43] ALBRECHT	92P	ARG	$e^+e^-\approx$ 10 GeV

[43] This value is calculated from numbers in Table 1 of ALBRECHT 92P.

$\Gamma(K^*(892)^-\rho^+)/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{93}/Γ_{48}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.606±0.188±0.126	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^*(892)^-\rho^+\text{longitudinal})/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{94}/Γ_{48}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.290±0.111	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^*(892)^-\rho^+\text{transverse})/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{95}/Γ_{48}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.317±0.180	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^*(892)^-\rho^+ P\text{-wave})/\Gamma_{\text{total}}$ Γ_{96}/Γ

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

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
<0.015	90	[44] COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

[44] Obtained using other $\overline{K}^*(892)\rho$ P-wave limits and isospin relations.

$\Gamma(\overline{K}^*(892)^0\rho^0\text{transverse})/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{88}/Γ_{48}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.16 ±0.06 OUR FIT Error includes scale factor of 1.1.				
0.126±0.111	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^0a_1(1260)^0)/\Gamma_{\text{total}}$ Γ_{77}/Γ

Unseen decay modes of the $a_1(1260)^0$ are included.

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
<0.019	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K_1(1270)^-\pi^+)/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{99}/Γ_{48}

Unseen decay modes of the $K_1(1270)^-$ are included.

VALUE	DOCUMENT ID		TECN	COMMENT
0.107±0.030 OUR FIT Error includes scale factor of 1.1.				
0.10 ±0.03	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}_1(1400)^0\pi^0)/\Gamma_{\text{total}}$ Γ_{101}/Γ

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
<0.037	90	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^*(892)^0\pi^+\pi^-\text{3-body})/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{84}/Γ_{48}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.16 ±0.04 OUR FIT Error includes scale factor of 1.1.				
0.191±0.105	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(\overline{K}^0\pi^+\pi^-\pi^0\text{nonresonant})/\Gamma(\overline{K}^0\pi^+\pi^-\pi^0)$ Γ_{55}/Γ_{48}

VALUE	DOCUMENT ID		TECN	COMMENT
0.210±0.147±0.150	COFFMAN	92B	MRK3	e^+e^- 3.77 GeV

$\Gamma(K^-\pi^+\pi^0\pi^0)/\Gamma_{\text{total}}$ Γ_{56}/Γ

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.149±0.037±0.030	24	[45] ADLER	88C	MRK3	e^+e^- 3.77 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.177±0.029		[46] BARLAG	92C	ACCM	π^- Cu 230 GeV
$0.209^{+0.074}_{-0.043}\pm0.012$	9	[46] AGUILAR-...	87F	HYBR	πp, pp 360, 400 GeV

[45] ADLER 88C uses an absolute normalization method finding this decay channel opposite a detected $\overline{D}^0\to K^+\pi^-$ in pure $D\overline{D}$ events.

[46] AGUILAR-BENITEZ 87F and BARLAG 92C compute the branching fraction using topological normalization. They do not distinguish the presence of a third π^0, and thus are not included in the average.

$\Gamma(K^-\pi^+\pi^+\pi^-\pi^0)/\Gamma_{\text{total}}$ Γ_{57}/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$0.0293^{+0.0051}_{-0.0045}$	[47] BARLAG	92C	ACCM	π^- Cu 230 GeV

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

$\Gamma(K^-\pi^+\pi^+\pi^-\pi^0)/\Gamma(K^-\pi^+)$ Γ_{57}/Γ_{21}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
1.07±0.11 OUR FIT					
0.98±0.11±0.11	225	[48] ALBRECHT	92P	ARG	$e^+e^-\approx$ 10 GeV

[48] This value is calculated from numbers in Table 1 of ALBRECHT 92P.

$\Gamma(K^-\pi^+\pi^+\pi^-\pi^0)/\Gamma(K^-\pi^+\pi^+\pi^-)$ Γ_{57}/Γ_{39}

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.53±0.05 OUR FIT					
0.56±0.07 OUR AVERAGE					
$0.55\pm0.07^{+0.12}_{-0.09}$	167	KINOSHITA	91	CLEO	$e^+e^-\sim$ 10.7 GeV
0.57±0.06±0.05	180	ANJOS	90D	E691	Photoproduction

$\Gamma(\overline{K}^*(892)^0\pi^+\pi^-\pi^0)/\Gamma(K^-\pi^+\pi^+\pi^-\pi^0)$ Γ_{106}/Γ_{57}

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

VALUE	DOCUMENT ID		TECN	COMMENT
0.45±0.15±0.15	ANJOS	90D	E691	Photoproduction

$\Gamma(\overline{K}^*(892)^0\eta)/\Gamma(K^-\pi^+)$ Γ_{107}/Γ_{21}

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

VALUE	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
0.46±0.11 OUR FIT						
$\mathbf{0.58\pm0.19^{+0.24}_{-0.28}}$		46	KINOSHITA	91	CLEO	$e^+e^-\sim$ 10.7 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •						
<0.70	90		ALBRECHT	89D	ARG	e^+e^- 10 GeV

$\Gamma(\overline{K}^*(892)^0\eta)/\Gamma(K^-\pi^+\pi^0)$ Γ_{107}/Γ_{31}

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

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.135±0.034 OUR FIT					
0.13 ±0.02 ±0.03	214	PROCARIO	93B	CLEO	$\overline{K}^*\to K^-\pi^+$, $\eta\to\gamma\gamma$

$\Gamma(\overline{K}^*(892)^0\eta)/\Gamma(K^-\pi^+\pi^+\pi^-\pi^0)$ Γ_{107}/Γ_{57}

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

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<0.27	90	[49] ANJOS	90D	E691	Photoproduction

[49] Recovered from the published limit, $\Gamma(\overline{K}^*(892)^0\eta)/\Gamma_{\text{total}}$, in order to make our normalization consistent.