$\Gamma(3\pi^0)/\Gamma(2\gamma)$ Γ_3/Γ_2

VALUE	DOCUMENT ID		TECN	COMMENT
0.821 ± 0.009 OUR FIT	Error includes scale factor of 1.1.			
0.841 ± 0.030 OUR AVERAGE				
0.841 ± 0.034	AMSLER	93	CBAR	LEAR $\bar{p}p$ at rest
0.91 ± 0.14	COX	70B	HBC	
0.75 ± 0.09	DEVONS	70	OSPK	
0.88 ± 0.16	BALTAY	67D	DBC	
1.1 ± 0.2	CENCE	67	OSPK	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1.25 ± 0.39	BACCI	63	CNTR	Inverse BR reported

$\Gamma(\pi^0 2\gamma)/\Gamma(\text{neutral modes})$ $\Gamma_4/\Gamma_1 = \Gamma_4/(\Gamma_2+\Gamma_3+\Gamma_4)$

VALUE	DOCUMENT ID		TECN
0.00100 ± 0.00020 OUR FIT			
0.0010 ± 0.0002	ALDE	84	GAM2

$\Gamma(\pi^0 2\gamma)/\Gamma_{\text{total}}$ Γ_4/Γ

These results are summarized in the review by LANDSBERG 85.

VALUE (units 10^{-4})	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
7.1 ± 1.4 OUR FIT						
• • • We do not use the following data for averages, fits, limits, etc. • • •						
9.5 ± 2.3		70	BINON	82	GAM2	See ALDE 84
< 30	90	0	DAVYDOV	81	GAM2	$\pi^- p \to \eta n$

$\Gamma(\text{neutral modes})/[\Gamma(\pi^+\pi^-\pi^0)+\Gamma(\pi^+\pi^-\gamma)+\Gamma(e^+e^-\gamma)]$ $\Gamma_1/(\Gamma_6+\Gamma_7+\Gamma_8) = (\Gamma_2+\Gamma_3+\Gamma_4)/(\Gamma_6+\Gamma_7+\Gamma_8)$

VALUE	EVTS	DOCUMENT ID		TECN
2.44 ± 0.09 OUR FIT	Error includes scale factor of 1.2.			
2.64 ± 0.23	BALTAY	67B	DBC	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
4.5 ± 1.0	280	[3] JAMES	66	HBC
3.20 ± 1.26	53	[3] BASTIEN	62	HBC
2.5 ± 1.0	10	[3] PICKUP	62	HBC

[3] These experiments are not used in the averages as they do not separate clearly $\eta \to \pi^+\pi^-\pi^0$ and $\eta \to \pi^+\pi^-\gamma$ from each other. The reported values thus probably contain some unknown fraction of $\eta \to \pi^+\pi^-\gamma$.

$\Gamma(2\gamma)/[\Gamma(\pi^+\pi^-\pi^0)+\Gamma(\pi^+\pi^-\gamma)+\Gamma(e^+e^-\gamma)]$ $\Gamma_2/(\Gamma_6+\Gamma_7+\Gamma_8)$

VALUE	EVTS	DOCUMENT ID		TECN
1.34 ± 0.05 OUR FIT	Error includes scale factor of 1.2.			
1.1 ± 0.4 OUR AVERAGE				
1.51 ± 0.93	75	KENDALL	74	OSPK
0.99 ± 0.48		CRAWFORD	63	HBC

$\Gamma(\text{neutral modes})/\Gamma(\pi^+\pi^-\pi^0)$ $\Gamma_1/\Gamma_6 = (\Gamma_2+\Gamma_3+\Gamma_4)/\Gamma_6$

VALUE	EVTS	DOCUMENT ID		TECN
2.99 ± 0.11 OUR FIT	Error includes scale factor of 1.2.			
3.26 ± 0.30 OUR AVERAGE				
2.54 ± 1.89	74	KENDALL	74	OSPK
3.4 ± 1.1	29	AGUILAR-...	72B	HBC
2.83 ± 0.80	70	[4] BLOODWO...	72B	HBC
3.6 ± 0.6	244	FLATTE	67B	HBC
2.89 ± 0.56		ALFF-...	66	HBC
3.6 ± 0.8	50	KRAEMER	64	DBC
3.8 ± 1.1		PAULI	64	DBC

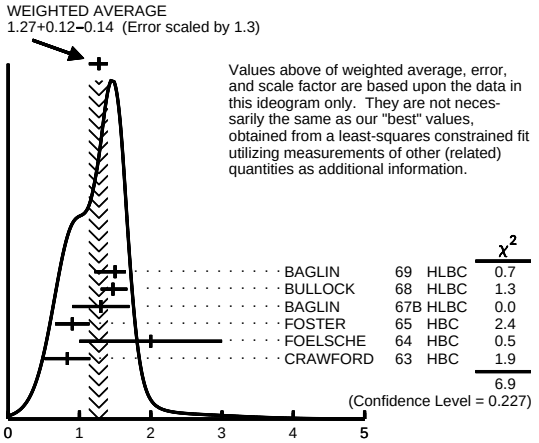
[4] Error increased from published value 0.5 by Bloodworth (private communication).

$\Gamma(2\gamma)/\Gamma(\pi^+\pi^-\pi^0)$ Γ_2/Γ_6

VALUE	EVTS	DOCUMENT ID		TECN
1.64 ± 0.06 OUR FIT	Error includes scale factor of 1.2.			
1.69 ± 0.21 OUR AVERAGE				
1.72 ± 0.25	401	BAGLIN	69	HLBC
1.61 ± 0.39		FOSTER	65	HBC

$\Gamma(3\pi^0)/\Gamma(\pi^+\pi^-\pi^0)$ Γ_3/Γ_6

VALUE	EVTS	DOCUMENT ID		TECN
1.35 ± 0.05 OUR FIT	Error includes scale factor of 1.2.			
$1.27^{+0.12}_{-0.14}$ OUR AVERAGE	Error includes scale factor of 1.3. See the ideogram below.			
$1.50^{+0.15}_{-0.29}$	199	BAGLIN	69	HLBC
$1.47^{+0.20}_{-0.17}$		BULLOCK	68	HLBC
1.3 ± 0.4		BAGLIN	67B	HLBC
0.90 ± 0.24		FOSTER	65	HBC
2.0 ± 1.0		FOELSCHE	64	HBC
0.83 ± 0.32		CRAWFORD	63	HBC



$\Gamma(\pi^+\pi^-\gamma)/\Gamma(\pi^+\pi^-\pi^0)$ Γ_7/Γ_6

VALUE	EVTS	DOCUMENT ID		TECN
0.207 ± 0.004 OUR FIT	Error includes scale factor of 1.1.			
0.207 ± 0.004 OUR AVERAGE	Error includes scale factor of 1.1.			
0.209 ± 0.004	18k	THALER	73	ASPK
0.201 ± 0.006	7250	GORMLEY	70	ASPK
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.28 ± 0.04		BALTAY	67B	DBC
0.25 ± 0.035		LITCHFIELD	67	DBC
0.30 ± 0.06		CRAWFORD	66	HBC
0.196 ± 0.041		FOSTER	65C	HBC

$\Gamma(e^+e^-\gamma)/\Gamma(\pi^+\pi^-\pi^0)$ Γ_8/Γ_6

VALUE (units 10^{-2})	EVTS	DOCUMENT ID		TECN	COMMENT
2.1 ± 0.5 OUR FIT					
2.1 ± 0.5	80	JANE	75B	OSPK	See the erratum

$\Gamma(\mu^+\mu^-\gamma)/\Gamma_{\text{total}}$ Γ_9/Γ

VALUE (units 10^{-4})	EVTS	DOCUMENT ID		TECN	COMMENT
3.1 ± 0.4 OUR FIT					
3.1 ± 0.4	600	DZHELYADIN	80	SPEC	$\pi^- p \to \eta n$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
1.5 ± 0.75	100	BUSHNIN	78	SPEC	See DZHELYADIN 80

$\Gamma(e^+e^-)/\Gamma_{\text{total}}$ Γ_{10}/Γ

VALUE (units 10^{-4})	CL%	DOCUMENT ID		TECN	COMMENT
< 3	90	DAVIES	74	RVUE	Uses ESTEN 67

$\Gamma(\mu^+\mu^-)/\Gamma_{\text{total}}$ Γ_{11}/Γ

VALUE (units 10^{-6})	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
5.7 ± 0.8 OUR AVERAGE						
$5.6^{+0.6}_{-0.7} \pm 0.5$		100	KESSLER	93	SPEC	$pd \to \eta\,^3\text{He}$
6.5 ± 2.1		27	DZHELYADIN	80B	SPEC	$\pi^- p \to \eta n$
• • • We do not use the following data for averages, fits, limits, etc. • • •						
< 20	95	0	WEHMANN	68	OSPK	

$\Gamma(\mu^+\mu^-)/\Gamma(2\gamma)$ Γ_{11}/Γ_2

VALUE (units 10^{-5})	DOCUMENT ID		TECN
• • • We do not use the following data for averages, fits, limits, etc. • • •			
5.9 ± 2.2	HYAMS	69	OSPK

$\Gamma(\pi^+\pi^- e^+e^-)/\Gamma(\pi^+\pi^-\gamma)$ Γ_{12}/Γ_7

VALUE	EVTS	DOCUMENT ID		TECN
$0.027^{+0.026}_{-0.017}$ OUR FIT				
0.026 ± 0.026	1	GROSSMAN	66	HBC

$\Gamma(\pi^+\pi^- e^+e^-)/\Gamma_{\text{total}}$ Γ_{12}/Γ

VALUE (units 10^{-2})	DOCUMENT ID		TECN
$0.13^{+0.13}_{-0.08}$ OUR FIT			
• • • We do not use the following data for averages, fits, limits, etc. • • •			
< 0.7	RITTENBERG	65	HBC

$\Gamma(\pi^+\pi^-2\gamma)/\Gamma(\pi^+\pi^-\pi^0)$ Γ_{13}/Γ_6

VALUE	CL%	DOCUMENT ID		TECN
< 0.009		PRICE	67	HBC
• • • We do not use the following data for averages, fits, limits, etc. • • •				
< 0.016	95	BALTAY	67B	DBC