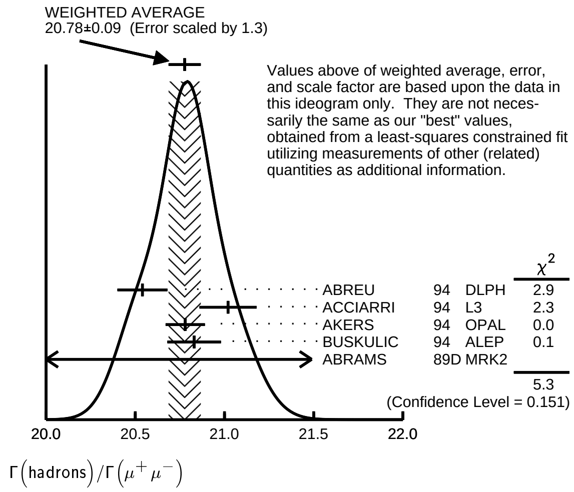
[58] ABREU 91F report $\Gamma(\mu\mu) = 86.9 \pm 1.9 \pm 0.9$ MeV and provided us with this branching ratio from the same data and analysis.
[59] ADEVA 91E report $B(\mu\mu) = 3.38 \pm 0.08\%$ and $\Gamma(\mu\mu) = 84.5 \pm 2.0$ MeV and provided us with this branching ratio from the same data and analysis.
[60] ALEXANDER 91F report $\Gamma(\mu\mu) = 83.2 \pm 1.5$ MeV and provided us with this branching ratio from the same data and analysis.



$\Gamma(\text{hadrons})/\Gamma(\tau^+\tau^-)$ — Γ_6/Γ_3

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
20.80±0.08 OUR FIT				
20.81±0.08 OUR AVERAGE				
20.68±0.18	25k	ABREU 94	DLPH	E^{ee}_{cm}= 88–94 GeV
20.80±0.20	25k	ACCIARRI 94	L3	E^{ee}_{cm}= 88–94 GeV
21.01±0.15	47k	AKERS 94	OPAL	E^{ee}_{cm}= 88–94 GeV
20.70±0.16	45.1k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
15.2 $^{+4.8}_{-3.9}$	21	[61] ABRAMS 89D	MRK2	E^{ee}_{cm}= 89–93 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
21.22±0.25	18k	ACTON 93D	OPAL	Repl. by AKERS 94
20.77±0.23		BUSKULIC 93J	ALEP	Repl. by BUSKULIC 94
20.86±0.13	50k	[62] QUAST 93	RVUE	E^{ee}_{cm} = 88–94 GeV
21.00±0.36	6260	DECAMP 92B	ALEP	Repl. by BUSKULIC 93J
21.02±0.23	17k	[63] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV
21.14±0.49±0.27	2345	[64] ABREU 91F	DLPH	Repl. by ABREU 94
20.83±0.43±0.43	2540	[65] ADEVA 91E	L3	Repl. by ACCIARRI 94
21.05±0.44	5559	[66] ALEXANDER 91F	OPAL	Repl. by ACTON 93D

[61] ABRAMS 89D have included both statistical and systematic uncertainties in their quoted errors.
[62] QUAST 93 is a combined analysis of LEP results as of Feb. 1993.
[63] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.
[64] ABREU 91F report $\Gamma(\tau\tau) = 82.7 \pm 2.1 \pm 1.1$ MeV and provided us with this branching ratio from the same data and analysis.
[65] ADEVA 91E report $B(\tau\tau) = 3.36 \pm 0.11\%$ and $\Gamma(\tau\tau) = 84.0 \pm 2.7$ MeV and provided us with this branching ratio from the same data and analysis.
[66] ALEXANDER 91F report $\Gamma(\tau\tau) = 82.7 \pm 1.9$ MeV and provided us with this branching ratio from the same data and analysis.

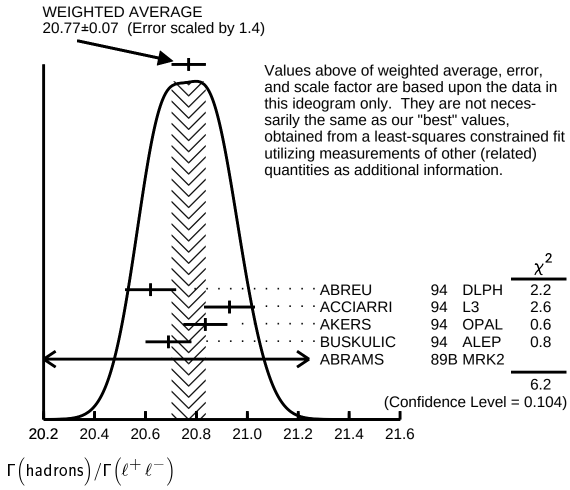
$\Gamma(\text{hadrons})/\Gamma(\ell^+\ell^-)$ — Γ_6/Γ_4

ℓ indicates each type of lepton (e, μ, and τ), not sum over them.

Our fit result is obtained requiring lepton universality.

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
20.76 ±0.05 OUR FIT				
20.77 ±0.07 OUR AVERAGE		Error includes scale factor of 1.4. See the ideogram below.		
20.62 ±0.10	102k	ABREU 94	DLPH	E^{ee}_{cm}= 88–94 GeV
20.93 ±0.10	97k	ACCIARRI 94	L3	E^{ee}_{cm}= 88–94 GeV
20.835±0.086	146k	AKERS 94	OPAL	E^{ee}_{cm}= 88–94 GeV
20.69 ±0.09	137.3k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
18.9 $^{+3.6}_{-3.2}$	46	ABRAMS 89B	MRK2	E^{ee}_{cm}= 89–93 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
20.88 ±0.13	58k	ACTON 93D	OPAL	Repl. by AKERS 94
21.00 ±0.15	40k	ADRIANI 93M	L3	Repl. by ACCIARRI 94
20.78 ±0.13		BUSKULIC 93J	ALEP	Repl. by BUSKULIC 94
20.87 ±0.07	190k	[67] QUAST 93	RVUE	E^{ee}_{cm} = 88–94 GeV
20.90 ±0.15	50k	[68] BANERJEE 92	RVUE	E^{ee}_{cm} = 88–94 GeV
21.00 ±0.20	20k	DECAMP 92B	ALEP	Repl. by BUSKULIC 93J
20.89 ±0.13	57k	[69] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV
20.70 ±0.25 ±0.14	10k	ABREU 91F	DLPH	Repl. by ABREU 94
20.84 ±0.29	10k	ADEVA 91E	L3	Repl. by ADRIANI 93M
20.95 ±0.22	18k	ALEXANDER 91F	OPAL	Repl. by ACTON 93D

[67] QUAST 93 is a combined analysis of LEP results as of Feb. 1993. Assumes lepton universality.
[68] BANERJEE 92 is a combined analysis of the four LEP experiments as of March 1991.
[69] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.



$\Gamma(\text{hadrons})/\Gamma_{\text{total}}$ — Γ_6/Γ

This parameter is not directly used in the overall fit but is derived using the fit results; see the 'Note on the Z Boson.'

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.6990±0.0015 OUR FIT				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.6983±0.0023	1.14M	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
0.6993±0.0031	570k	[70] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV

[70] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included. Assumes lepton universality.

$\Gamma(e^+e^-)/\Gamma_{\text{total}}$ — Γ_1/Γ

This parameter is not directly used in the overall fit but is derived using the fit results; see the 'Note on the Z Boson.'

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.03366±0.00008 OUR FIT				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.03383±0.00013	45.8k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
0.03345±0.00020	19k	[71] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV

[71] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.

$\Gamma(\mu^+\mu^-)/\Gamma_{\text{total}}$ — Γ_2/Γ

This parameter is not directly used in the overall fit but is derived using the fit results; see the 'Note on the Z Boson.'

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.03367±0.00013 OUR FIT				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.03344±0.00026	46.4k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
0.03351±0.00034	21k	[72] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV

[72] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.

$\Gamma(\tau^+\tau^-)/\Gamma_{\text{total}}$ — Γ_3/Γ

This parameter is not directly used in the overall fit but is derived using the fit results; see the 'Note on the Z Boson.'

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.03360±0.00015 OUR FIT				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.03366±0.00028	45.1k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
0.03328±0.00040	17k	[73] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV

[73] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.

$\Gamma(\ell^+\ell^-)/\Gamma_{\text{total}}$ — Γ_4/Γ

ℓ indicates each type of lepton (e, μ, and τ), not sum over them.

Our fit result assumes lepton universality.

This parameter is not directly used in the overall fit but is derived using the fit results; see the 'Note on the Z Boson.'

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.03367±0.00006 OUR FIT				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.03375±0.00009	137.3k	BUSKULIC 94	ALEP	E^{ee}_{cm}= 88–94 GeV
0.03347±0.00013	57k	[74] LEP 92	RVUE	E^{ee}_{cm}= 88–94 GeV

[74] LEP 92 is combined analysis by the four LEP experiments as of December 1991. Systematic errors are included.