$a_2(1750)$

$I^G(J^{PC}) = 1^-(2^{++})$

OMITTED FROM SUMMARY TABLE

$a_2(1750)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
1752±21±4	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
~ 1775	[1] GRYGOREV	99	SPEC	40 $\pi^- p \to K^0_S K^0_S n$

[1] Possibly two $J^P = 2^+$ resonances with isospins 0 and 1.

$a_2(1750)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
150±110±34	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$

$a_2(1750)$ DECAY MODES

	Mode
Γ_1	$\gamma\gamma$
Γ_2	$\rho\pi$
Γ_3	$f_2(1270)\pi$

$a_2(1750)$ Γ(i)Γ(γγ)/Γ(total)

$[\Gamma(\rho\pi) + \Gamma(f_2(1270)\pi)] \times \Gamma(\gamma\gamma)/\Gamma_{total}$ $(\Gamma_2+\Gamma_3)\Gamma_1/\Gamma$

VALUE (keV)	*DOCUMENT ID*		*TECN*	*COMMENT*
0.29±0.04±0.02	ACCIARRI	97T	L3	$\gamma\gamma \to \pi^+\pi^-\pi^0$

$a_2(1750)$ REFERENCES

GRYGOREV 99 PAN 62 470 V.K. Grygorev *et al.*
Translated from YAF 62 513.
ACCIARRI 97T PL B413 147 M. Acciarri *et al.* (L3 Collab.)