NODE=M020

$\pi_2(2100)$

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

OMITTED FROM SUMMARY TABLE

Needs confirmation. NODE=M020

$\pi_2(2100)$ MASS

NODE=M020205

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*	
2090± 29 OUR AVERAGE					NODE=M020M
2090± 30	[1] AMELIN	95B	VES	36 $\pi^- A \to \pi^+\pi^-\pi^- A$	
2100±150	[2] DAUM	81B	CNTR	63,94 $\pi^- p \to 3\pi X$	

[1] From a fit to $J^{PC} = 2^{-+}$ $f_2(1270)\pi$, $(\pi\pi)_S\pi$ waves. NODE=M020M;LINKAGE=AX

[2] From a two-resonance fit to four 2^-0^+ waves. NODE=M020M;LINKAGE=L

$\pi_2(2100)$ WIDTH

NODE=M020210

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*	
625± 50 OUR AVERAGE Error includes scale factor of 1.2.					NODE=M020W
520±100	[3] AMELIN	95B	VES	36 $\pi^- A \to \pi^+\pi^-\pi^- A$	
651± 50	[4] DAUM	81B	CNTR	63,94 $\pi^- p \to 3\pi X$	

[3] From a fit to $J^{PC} = 2^{-+}$ $f_2(1270)\pi$, $(\pi\pi)_S\pi$ waves. NODE=M020W;LINKAGE=AX

[4] From a two-resonance fit to four 2^-0^+ waves. NODE=M020W;LINKAGE=L

$\pi_2(2100)$ DECAY MODES

NODE=M020215;NODE=M020

	Mode	Fraction (Γ_i/Γ)	
Γ_1	3π	seen	DESIG=1;OUR EST;→ NOT CHECKED ←
Γ_2	$\rho\pi$	seen	DESIG=2;OUR EST;→ NOT CHECKED ←
Γ_3	$f_2(1270)\pi$	seen	DESIG=3;OUR EST;→ NOT CHECKED ←
Γ_4	$(\pi\pi)_S\pi$	seen	DESIG=4;OUR EST;→ NOT CHECKED ←

$\pi_2(2100)$ BRANCHING RATIOS

NODE=M020220

$\Gamma(\rho\pi)/\Gamma(3\pi)$ Γ_2/Γ_1

NODE=M020R1

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*	
0.19±0.05	[5] DAUM	81B	CNTR	63,94 $\pi^- p$	NODE=M020R1

$\Gamma(f_2(1270)\pi)/\Gamma(3\pi)$ Γ_3/Γ_1

NODE=M020R2

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*	
0.36±0.09	[5] DAUM	81B	CNTR	63,94 $\pi^- p$	NODE=M020R2

$\Gamma((\pi\pi)_S\pi)/\Gamma(3\pi)$ Γ_4/Γ_1

NODE=M020R3

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*	
0.45±0.07	[5] DAUM	81B	CNTR	63,94 $\pi^- p$	NODE=M020R3

D-wave/*S*-wave RATIO FOR $\pi_2(2100) \to f_2(1270)\pi$

NODE=M020R4

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*	
0.39±0.23	[5] DAUM	81B	CNTR	63,94 $\pi^- p$	NODE=M020R4

[5] From a two-resonance fit to four 2^-0^+ waves. NODE=M020R;LINKAGE=L

$\pi_2(2100)$ REFERENCES

NODE=M020

AMELIN	95B	PL B356 595	D.V. Amelin *et al.*	(SERP, TBIL)	REFID=44433
DAUM	81B	NP B182 269	C. Daum *et al.*	(AMST, CERN, CRAC, MPIM+)	REFID=20872