

$\Omega(2250)^-$

$I(J^P) = 0(?)$ Status: ***

NODE=B141

$\Omega(2250)^-$ MASS

NODE=B141M

VALUE (MeV)	EVTs	DOCUMENT ID	TECN	COMMENT
2252 ± 9 OUR AVERAGE				
2253 ± 13	44	ASTON	87B LASS	$K^- p$ 11 GeV/c
2251 ± 9 ± 8	78	BIAGI	86B SPEC	SPS Ξ^- beam

NODE=B141M

$\Omega(2250)^-$ WIDTH

NODE=B141W

VALUE (MeV)	EVTs	DOCUMENT ID	TECN	COMMENT
55 ± 18 OUR AVERAGE				
81 ± 38	44	ASTON	87B LASS	$K^- p$ 11 GeV/c
48 ± 20	78	BIAGI	86B SPEC	SPS Ξ^- beam

NODE=B141W

$\Omega(2250)^-$ DECAY MODES

NODE=B141215;NODE=B141

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Xi^- \pi^+ K^-$	seen
$\Gamma_2 \quad \Xi(1530)^0 K^-$	seen

DESIG=1;OUR EST

DESIG=2;OUR EST

$\Omega(2250)^-$ BRANCHING RATIOS

NODE=B141220

$\Gamma(\Xi(1530)^0 K^-)/\Gamma(\Xi^- \pi^+ K^-)$				Γ_2/Γ_1
VALUE	EVTs	DOCUMENT ID	TECN	COMMENT
~ 1.0	44	ASTON	87B LASS	$K^- p$ 11 GeV/c
0.70 ± 0.20	49	BIAGI	86B SPEC	Ξ^- Be 116 GeV/c

NODE=B141R1

NODE=B141R1

$\Omega(2250)^-$ REFERENCES

NODE=B141

ASTON	87B	PL B194 579	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)
BIAGI	86B	ZPHY C31 33	S.F. Biagi <i>et al.</i>	(LOQM, GEVA, RAL+)

REFID=40341

REFID=40340