

# $\Omega(2250)^-$

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

## $\Omega(2250)^-$ MASS

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

## $\Omega(2250)^-$ WIDTH

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

## $\Omega(2250)^-$ DECAY MODES

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

## $\Omega(2250)^-$ BRANCHING RATIOS

$\Gamma(\Xi(1530)^0 K^-)/\Gamma(\Xi^- \pi^+ K^-)$				$\Gamma_2/\Gamma_1$
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
~ 1.0	44	ASTON	87B LASS	$K^- p$ 11 GeV/c
0.70 ± 0.20	49	BIAGI	86B SPEC	$\Xi^-$ Be 116 GeV/c

## $\Omega(2250)^-$ REFERENCES

ASTON	87B PL B194 579	+Awaji, Bienz, Bird+	(SLAC, NAGO, CINC, INUS)
BIAGI	86B ZPHY C31 33	+	(LOQM, GEVA, RAL, HEIDP, LAUS, BRIS, CERN)