

$$I(J^P) = \frac{1}{2}(?^?)$$
 Status: \*
  
J, P need confirmation.

#### OMITTED FROM SUMMARY TABLE

_	/^1^^\	MASS
_	1717011	MASS
_	1 <b>2 1 2 0</b> 1	IVIAJJ

		=(2120) WASS		
VALUE (MeV)	EVTS	DOCUMENT ID	ΓΕCΝ	COMMENT
≈ 2120 OUR EST		1		
$2137\pm4$	18	<sup>1</sup> CHLIAPNIK 79 F		. ,
$2123\!\pm\!7$		<sup>2</sup> GAY 76C F	HBC	$K^- p 4.2 \text{ GeV}/c$
		<i>Ξ</i> (2120) WIDTH		
		=(2120) WID III		
<i>VALUE</i> (MeV)	EVTS	` ,	ΓΕCΝ	COMMENT
<u>VALUE (MeV)</u> <20	<u>EVTS</u> 18	` ,		

# *≡*(2120) DECAY MODES

	Mode	Fraction $(\Gamma_i/\Gamma)$
Γ <sub>1</sub>	$\Lambda \overline{K}$	seen

### **≡**(2120) BRANCHING RATIOS

		I 1/I
DOCUMENT ID	TECN	COMMENT
<sup>1</sup> CHLIAPNIK 79	HBC	$K^+ p \rightarrow (\overline{\Lambda} K^+) X$
<sup>2</sup> GAY 760	HBC	$K^-p$ 4.2 GeV/ $c$
	1 CHLIAPNIK 79	<sup>1</sup> CHLIAPNIK 79 HBC

# **Ξ**(2120) FOOTNOTES

## *≡*(2120) REFERENCES

CHLIAPNIK	79	NP B158 253	P.V. Chliapnikov et al.	(CERN, BELG, MONS)
HEMINGWAY	77	PL 68B 197	R.J. Hemingway et al.	(AMST, CERN, NIJM+)
GAY	76C	PL 62B 477	J.B. Gay <i>et al.</i>	(AMST, CERN, NIJM)

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 $<sup>^1</sup>$  CHLIAPNIKOV 79 does not uniquely identify the  $K^+$  in the  $(\overline{\varLambda}K^+)$  X final state. It also reports bumps with fewer events at 2240, 2540, and 2830 MeV.

<sup>&</sup>lt;sup>2</sup> GAY 76C sees a 4-standard deviation signal. However, HEMINGWAY 77, with more events from the same experiment points out that the signal is greatly reduced if a cut is made on the 4-momentum u. This suggests an anomalous production mechanism if the  $\Xi(2120)$  is real.