

$\phi_3(1850)$ 

$$I^G(J^{PC}) = 0^-(3^{--})$$

 $\phi_3(1850)$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>1854 ± 7 OUR AVERAGE</b>				
1855 ± 10		ASTON	88E LASS	11 $K^- p \rightarrow K^- K^+ \Lambda$ , $K_S^0 K^\pm \pi^\mp \Lambda$
1870 <sup>+30</sup> <sub>-20</sub>	430	ARMSTRONG	82 OMEG	18.5 $K^- p \rightarrow$ $K^- K^+ \Lambda$
1850 ± 10	123	ALHARRAN	81B HBC	8.25 $K^- p \rightarrow K \bar{K} \Lambda$

 $\phi_3(1850)$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>87<sup>+28</sup><sub>-23</sub> OUR AVERAGE</b> Error includes scale factor of 1.2.				
64 ± 31		ASTON	88E LASS	11 $K^- p \rightarrow K^- K^+ \Lambda$ , $K_S^0 K^\pm \pi^\mp \Lambda$
160 <sup>+90</sup> <sub>-50</sub>	430	ARMSTRONG	82 OMEG	18.5 $K^- p \rightarrow$ $K^- K^+ \Lambda$
80 <sup>+40</sup> <sub>-30</sub>	123	ALHARRAN	81B HBC	8.25 $K^- p \rightarrow K \bar{K} \Lambda$

 $\phi_3(1850)$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $K \bar{K}$	seen
$\Gamma_2$ $K \bar{K}^*(892) + \text{c.c.}$	seen

 $\phi_3(1850)$  BRANCHING RATIOS

$\Gamma(K \bar{K}^*(892) + \text{c.c.})/\Gamma(K \bar{K})$	$\Gamma_2/\Gamma_1$		
VALUE	DOCUMENT ID	TECN	COMMENT
<b>0.55<sup>+0.85</sup><sub>-0.45</sub></b>	ASTON	88E LASS	11 $K^- p \rightarrow K^- K^+ \Lambda$ , $K_S^0 K^\pm \pi^\mp \Lambda$
0.8 ± 0.4	ALHARRAN	81B HBC	8.25 $K^- p \rightarrow K \bar{K} \pi \Lambda$

• • • We do not use the following data for averages, fits, limits, etc. • • •

 $\phi_3(1850)$  REFERENCES

ASTON	88E	PL B208 324	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS) IGJPC
ARMSTRONG	82	PL 110B 77	T.A. Armstrong <i>et al.</i>	(BARI, BIRM, CERN+) JP
ALHARRAN	81B	PL 101B 357	S. Al-Harran <i>et al.</i>	(BIRM, CERN, GLAS+)