NODE=M054

$\phi_3(1850)$

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

$\phi_3(1850)$ MASS

NODE=M054M

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
NODE=M054M					
1854± 7 OUR AVERAGE					
1855 ± 10		ASTON	88E	LASS	11 $K^- p \to K^- K^+ \Lambda$, $K^0_S K^\pm \pi^\mp \Lambda$
1870^{+30}_{-20}	430	ARMSTRONG	82	OMEG	18.5 $K^- p \to K^- K^+ \Lambda$
1850 ± 10	123	ALHARRAN	81B	HBC	8.25 $K^- p \to K \overline{K} \Lambda$

$\phi_3(1850)$ WIDTH

NODE=M054W

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
NODE=M054W					
87^{+28}_{-23} OUR AVERAGE Error includes scale factor of 1.2.					
64 ± 31		ASTON	88E	LASS	11 $K^- p \to K^- K^+ \Lambda$, $K^0_S K^\pm \pi^\mp \Lambda$
160^{+90}_{-50}	430	ARMSTRONG	82	OMEG	18.5 $K^- p \to K^- K^+ \Lambda$
80^{+40}_{-30}	123	ALHARRAN	81B	HBC	8.25 $K^- p \to K \overline{K} \Lambda$

$\phi_3(1850)$ DECAY MODES

NODE=M054215;NODE=M054

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$K \overline{K}$	seen	DESIG=1;OUR EST;→ UNCHECKED ←
Γ_2	$K \overline{K}^*(892) +$ c.c.	seen	DESIG=2;OUR EST;→ UNCHECKED ←

$\phi_3(1850)$ BRANCHING RATIOS

NODE=M054220

$\Gamma(K \overline{K}^*(892) + \text{c.c.})/\Gamma(K \overline{K})$ **Γ_2/Γ_1**

NODE=M054R1

VALUE	DOCUMENT ID		TECN	COMMENT
NODE=M054R1				
$0.55^{+0.85}_{-0.45}$	ASTON	88E	LASS	11 $K^- p \to K^- K^+ \Lambda$, $K^0_S K^\pm \pi^\mp \Lambda$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.8 ± 0.4	ALHARRAN	81B	HBC	8.25 $K^- p \to K \overline{K} \pi \Lambda$

$\phi_3(1850)$ REFERENCES

NODE=M054

ASTON	88E	PL B208 324	D. Aston *et al.*	(SLAC, NAGO, CINC, INUS) IGJPC	REFID=40577
ARMSTRONG	82	PL 110B 77	T.A. Armstrong *et al.*	(BARI, BIRM, CERN+) JP	REFID=21405
ALHARRAN	81B	PL 101B 357	S. Al-Harran *et al.*	(BIRM, CERN, GLAS+)	REFID=21702