$\Sigma(2100) \ 7/2^-$

$$I(J^P) = 1(\frac{7}{2}^-)$$
 Status: *

OMITTED FROM SUMMARY TABLE

	(2100)	MAACC
2	(2100)	MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
≈ 2100 OUR ESTIMATE			
2060 ± 20	BARBARO 70	DPWA	$K^- p \rightarrow \Lambda \pi^0$
2120 ± 30	BARBARO 70	DPWA	$K^- p \rightarrow \Sigma \pi$

Σ (2100) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
70±30	BARBARO 70	DPWA	$K^- p \rightarrow \Lambda \pi^0$
135 ± 30	BARBARO 70	DPWA	$K^- p \rightarrow \Sigma \pi$

Σ (2100) DECAY MODES

Mod	•

Γ_1	ΝĪ	<
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 $\Gamma_2 \qquad \Lambda \pi \\ \Gamma_3 \qquad \Sigma \pi$

Σ (2100) BRANCHING RATIOS

See "Sign conventions for resonance couplings" in the Note on \varLambda and \varSigma Resonances.

Σ (2100) REFERENCES

BARBARO-... 70 Duke Conf. 173 Hyperon Resonances, 1970 A. Barbaro-Galtieri

(LRL) IJP

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