

$a_1(1420)$

$$I^G(J^{PC}) = 1^-(1^{++})$$

OMITTED FROM SUMMARY TABLE

 $a_1(1420)$ MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
1414^{+15}_{-13}	¹ ADOLPH	15C	COMP 190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$

¹ Using the isobar model and partial-wave analysis with 88 waves. **$a_1(1420)$ WIDTH**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
153^{+8}_{-23}	¹ ADOLPH	15C	COMP 190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$

¹ Using the isobar model and partial-wave analysis with 88 waves. **$a_1(1420)$ DECAY MODES**

<u>Mode</u>	<u>Fraction (Γ_j/Γ)</u>
Γ_1 $f_0(980)\pi$	seen

 $a_1(1420)$ BRANCHING RATIOS

<u>$\Gamma(f_0(980)\pi)/\Gamma_{\text{total}}$</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	<u>Γ_1/Γ</u>
seen	¹ ADOLPH	15C	COMP 190 $\pi^- p \rightarrow \pi^- \pi^+ \pi^- p$	

¹ Using the isobar model and partial-wave analysis with 88 waves. **$a_1(1420)$ REFERENCES**

ADOLPH	15C	PRL 115 082001	C. Adolph <i>et al.</i>	(COMPASS Collab.)
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