

$\Omega(2109)^-$ $I(J^P) = 0(?^?)$ Status: *

OMITTED FROM SUMMARY TABLE

ABLIKIM 25C observes a structure around 2.1 GeV with a significance of 4.1σ in the recoil mass spectrum of the $\bar{\Omega}^+$ in the reaction $e^+e^- \rightarrow \Omega^*\bar{\Omega}^+$.

 $\Omega(2109)^-$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2108.5±5.2±0.9	53 ± 19	ABLIKIM	25C BES3	$e^+e^- \rightarrow \Omega(2109)^-\bar{\Omega}^+$

 $\Omega(2109)^-$ WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
18.3±16.4±5.7	53 ± 19	¹ ABLIKIM	25C BES3	$e^+e^- \rightarrow \Omega(2109)^-\bar{\Omega}^+$

¹ ABLIKIM 25C value corresponds to <46.9 MeV at 95% C.L. limit.

 $\Omega(2109)^-$ REFERENCES

ABLIKIM 25C PRL 134 131903 M. Ablikim *et al.* (BESIII Collab.)