NODE=B211

$\Omega(2109)^-$

$I(J^P) = 0(?^?)$ Status: *

OMITTED FROM SUMMARY TABLE

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

NODE=B211

$\Omega(2109)^-$ MASS

NODE=B211M

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2108.5±5.2±0.9	53 ± 19	ABLIKIM	25C	BES3	$e^+e^- \to \Omega(2109)\overline{\Omega}^+$

NODE=B211M

$\Omega(2109)^-$ WIDTH

NODE=B211W

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
18.3±16.4±5.7	53 ± 19	[1] ABLIKIM	25C	BES3	$e^+e^- \to \Omega(2109)\overline{\Omega}^+$

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

NODE=B211W

NODE=B211W;LINKAGE=A

$\Omega(2109)^-$ REFERENCES

NODE=B211

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

REFID=63244