

# Y(3940)

$$I^G(J^{PC}) = ??(???)$$

## OMITTED FROM SUMMARY TABLE

Quantum numbers are not established. Seen by CHOI 05 in  $B \rightarrow K\omega J/\psi$  decays as a threshold enhancement in the invariant mass distribution of the  $\omega J/\psi$ .

### Y(3940) MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>3943 ± 11 ± 13</b>	58 ± 11	<sup>1</sup> CHOI	05 BELL	$B \rightarrow K\omega J/\psi$

<sup>1</sup>  $\omega J/\psi$  threshold enhancement fitted as an S-wave Breit-Wigner resonance.

### Y(3940) WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>87 ± 22 ± 26</b>	58 ± 11	<sup>2</sup> CHOI	05 BELL	$B \rightarrow K\omega J/\psi$

<sup>2</sup>  $\omega J/\psi$  threshold enhancement fitted as an S-wave Breit-Wigner resonance.

### Y(3940) DECAY MODES

<u>Mode</u>	<u>Fraction (<math>\Gamma_i/\Gamma</math>)</u>
$\Gamma_1$ $\omega J/\psi$	seen

### Y(3940) REFERENCES

CHOI	05	PRL 94 182002	S.-K. Choi <i>et al.</i>	(BELLE Collab.)
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