

$\Omega(2012)^-$ $I(J^P) = 0(?^-)$ Status: ***

Seen in $\Xi^0 K^-$ and $\Xi^- K_S^0$ decays with a combined significance of 8.3 standard deviations.

 $\Omega(2012)^-$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$2012.4 \pm 0.7 \pm 0.6$	520	YELTON	18A BELL	In $\Upsilon(1S)$, $\Upsilon(2S)$, $\Upsilon(3S)$

 $\Omega(2012)^-$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$6.4^{+2.5}_{-2.0} \pm 1.6$	520	YELTON	18A BELL	In $\Upsilon(1S)$, $\Upsilon(2S)$, $\Upsilon(3S)$

 $\Omega(2012)^-$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
Γ_1 $\Xi^0 K^-$	seen
Γ_2 $\Xi^- K^0$	seen

 $\Omega(2012)^-$ BRANCHING RATIOS

$\Gamma(\Xi^0 K^-)/\Gamma(\Xi^- K^0)$	Γ_1/Γ_2		
VALUE	DOCUMENT ID	TECN	COMMENT
1.2 ± 0.3	YELTON	18A BELL	In $\Upsilon(1S)$, $\Upsilon(2S)$, $\Upsilon(3S)$

 $\Omega(2012)^-$ REFERENCES

YELTON 18A PRL 121 052003 J. Yelton *et al.* (BELLE Collab.)