# $\Upsilon(10860)$

$I^G(J^{PC}) = 0^-(1^{--})$

## $\Upsilon(10860)$ MASS

| *VALUE* (GeV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **10.865±0.008 OUR AVERAGE** | Error includes scale factor of 1.1. | | | |
| 10.868±0.006±0.005 | BESSON | 85 | CLEO | $e^+e^- \to$ hadrons |
| 10.845±0.020 | LOVELOCK | 85 | CUSB | $e^+e^- \to$ hadrons |

## $\Upsilon(10860)$ WIDTH

| *VALUE* (MeV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **110±13 OUR AVERAGE** | | | | |
| 112±17±23 | BESSON | 85 | CLEO | $e^+e^- \to$ hadrons |
| 110±15 | LOVELOCK | 85 | CUSB | $e^+e^- \to$ hadrons |

## $\Upsilon(10860)$ DECAY MODES

| | Mode | Fraction ($\Gamma_i/\Gamma$) |
|---|---|---|
| $\Gamma_1$ | $e^+e^-$ | $(2.8\pm0.7)\times10^{-6}$ |

## $\Upsilon(10860)$ PARTIAL WIDTHS

### $\Gamma(e^+e^-)$ $\Gamma_1$

| *VALUE* (keV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **0.31 ±0.07 OUR AVERAGE** | Error includes scale factor of 1.3. | | | |
| 0.22 ±0.05 ±0.07 | BESSON | 85 | CLEO | $e^+e^- \to$ hadrons |
| 0.365±0.070 | LOVELOCK | 85 | CUSB | $e^+e^- \to$ hadrons |

## $\Upsilon(10860)$ REFERENCES


| | | | | |
|---|---|---|---|---|
| BESSON | 85 | PRL 54 381 | D. Besson *et al.* | (CLEO Collab.) |
| LOVELOCK | 85 | PRL 54 377 | D.M.J. Lovelock *et al.* | (CUSB Collab.) |